

Table 3

## Common Reference Cell Line List

Name	Description	ATCC# or Reference
MCF7	breast adenocarcinoma derived cell line	ATCC #HTB-22
Hs578T	breast carcinosarcoma derived cell line	ATCC #HTB-126
NTERA2	teratoma derived cell line	ATCC #CRL-1973
Colo205	colon tumor derived cell line	ATCC #CCL-222
OVCAR-3	ovarian tumor derived cell line	ATCC #HTB-161
UACC-62	melanoma derived cell line	Stinson et al. Anticancer Res. Jul-Aug;12(4):1035-53 1992
MOLT-4	T-cell leukemia derived cell line	ATCC #CRL-1582
RPMI-8226	multiple myeloma derived cell line	ATCC #CCL-155
NB4+ATRA	APL-like cell line	Lanotte et al. Blood. Mar 1;77(5):1080-6, 1991
SW872	liposarcoma derived cell line	ATCC #HTB-92
HepG2	liver tumor derived cell line	ATCC #HB-8065

T09220\* 6439T660

Table 4

TUMOR + TISSUE SAMPLES		Patient ID	New Name	Comments: before and after pair (Y or N), etc.
Array ID	Sample ID/old name			
svcc98.2	BC107B-BE	norway 7	NORWAY 7-BE	yes
svcc63.2	BC107A-AF	norway 7	NORWAY 7-AF	
svcc78.2	BC110B-BE	norway 10	NORWAY 10-BE	yes
svcc77.2	BC110A-AF	norway 10	NORWAY 10-AF	
svcc122.2	BC111A-BE	norway 11	NORWAY 11	no, no after
svcc68.2	BC111B-BE	norway 19	NORWAY 19	no, no after
svcc53.2	BC112B-BE	norway 12	NORWAY 12-BE	yes
svcc97.2	BC112A-AF	norway 12	NORWAY 12-AF	
svcc81.2	BC114A-BE	norway 14	NORWAY 14-BE	yes
svcc52.2	BC114B-AF	norway 14	NORWAY 14-AF	
svcc106.2	BC115B-BE	norway 15	NORWAY 15-BE	yes
svcc64.2	BC115A-AF	norway 15	NORWAY 15-AF	
svcc108.2	BC116A-BE	norway 16	NORWAY 16	no, no after
svcc88.2	BC117A-BE	norway 17	NORWAY 17	no, no after
svcc134.2	BC118B-BE	norway 18	NORWAY 18-BE	yes
svcc112.2	BC118A-AF	norway 18	NORWAY 18-AF	
svcc89.2	BC123B-BE	norway 26	NORWAY 26-BE	yes
svcc91.2	BC123A-AF	norway 26	NORWAY 26-AF	
svcc111.2	BC124A-BE	norway 27	NORWAY 27-BE	yes
svcc109.2	BC124B-AF	norway 27	NORWAY 27-AF	
svcc1077.2	BC1257	new york 1	NEW YORK 1	no
svcc132.2	BC1369	new york 2	NEW YORK 2	no
svcc61.2	BC14	stanford 14	STANFORD 14	no
svcc137.2	BC16	stanford 16	STANFORD 16	no
svcc119.2	BC17	stanford 17	STANFORD 17	no
svcc96.2	BC2	stanford 2	STANFORD 2-P	primary tumor
svcc113.2	BC2-LN2	stanford 2	STANFORD 2-LN	lymph node metastasis
svcc93.2	BC206A-BE	norway 39	NORWAY 39-BE	yes
svcc135.2	BC206B-AF	norway 39	NORWAY 39-AF	
svcc107.2	BC208A-BE	norway 41	NORWAY 41-BE	yes
svcc125.2	BC208B-AF	norway 41	NORWAY 41-AF	
svcc76.2	BC213B-BE	norway 47	NORWAY 47-BE	yes
svcc79.2	BC213A-AF	norway 47	NORWAY 41-AF	
svcc92.2	BC214B-BE	norway 48	NORWAY 48-BE	yes
svcc103.2	BC214A-AF	norway 48	NORWAY 48-AF	
svcc99.2	BC23	stanford 23	STANFORD 23	no
svcc100.2	BC24	stanford 24	STANFORD 24	no

Table 4

svcc131.2	BC305A-BE	norway 53	NORWAY 53-BE	yes	
svcc58.2	BC305B-AF	norway 53	NORWAY 53-AF		
svcc87.2	BC308B-BE	norway 56	NORWAY 56	no, no after	
svcc51.2	BC309A-BE	norway 57	NORWAY 57	no, no after	
svcc118.2	BC35-0	stanford 35	STANFORD 35	no	
svcc117.2	BC37-FA	stanford 37	STANFORD 37-FA	no	
svcc115.2	BC38	stanford 38	STANFORD 38-P	Lymph node met of tumor/LNmet pair 2	
svcc116.2	BC38-LN38	stanford 38	STANFORD 38-LN	is a LN met with NO corresponding primary tumor sample	
svcc83.2	BC402B-BE	norway 61	NORWAY 61-BE	yes	
svcc66.2	BC403B-AF	norway 61	NORWAY 61-AF		
svcc123.2	BC406A-BE	norway 65	NORWAY 65	no, no after	
svcc104.2	BC708B-BE	norway 100	NORWAY 100-BE	yes	
svcc86.2	BC708A-AF	norway 100	NORWAY 100-AF		
svcc84.2	BC709B-BE	norway 101	NORWAY 101-BE	yes	
svcc85.2	BC709A-AF	norway 101	NORWAY 101-AF		
svcc101.2	BC710A-BE	norway 102	NORWAY 102-BE	yes	
svcc82.2	BC710B-AF	norway 102	NORWAY 102-AF		
svcc120.2	BC711B-BE	norway 104	NORWAY 104-BE	yes	
svcc65.2	BC711A-AF	norway 104	NORWAY 104-AF		
svcc130.2	BC790	new york 3	NEW YORK 3	no	
svcc105.2	BC805A-BE	norway 109	NORWAY 109-BE	yes	
svcc121.2	BC805B-AF	norway 109	NORWAY 109-AF		
svcc55.2	BC807A-BE	norway 111	NORWAY 111	no, no after	
svcc124.2	BC808A-BE	norway 112	NORWAY 112-BE	yes	
svcc126.2	BC808A-AF	norway 112	NORWAY 112-AF		
svcc70.2	Normal Breast 1	clontech 1	NORMAL 1	Normal Breast 1 (6 pooled whole normal breasts specimens)	
svcc127.2	Normal Breast2	clontech 2	NORMAL 2	Normal Breast 2 (2 pooled whole normal breast specimens)	
svcc18.2	NorwNorBst1	norway NB	NORMAL 3	NorwNorBst1 (sample from a single individual)	
CELL LINE SAMPLES					
svcc128.2	BT-474	Cell line	BT-474	cell line; luminal epithelial, ERBB2 positive	
svcc69.2	BT-549	Cell line	BT-549	cell line; breast derived	
svcc500.2	HMEC+INFa	Cell line	HMEC+IFN $\alpha$	cell line; HMEC-C isolate, basal epithelial cell line plus IFN alpha	
svcc94.2	HMEC-C	Cell line	HMEC-C	cell line; HMEC-C isolate, basal epithelial cell line untreated	
svcc47.2	HMEC-C_Conf12	Cell line	HMEC-C CON	cell line; HMEC-C isolate, basal epithelial cell line after 2 days at 100% confluence	
svcc41.2	HMVEC	Cell line	HMVEC	cell line; dermal microvascular endothelial cells	
svcc110.2	Hs578T	Cell line	Hs578T	cell line; breast carcinosarcoma derived	
svcc42.2	HUVEC	Cell line	HUVEC	cell line; human umbilical vein derived endothelial cell line	
svcc1299.2	MCF7-NCI	Cell line	MCF7	cell line; luminal epithelial, Estrogen receptor positive	

Table 4

svcc73.2	MDA-MB-321	Cell line	MDA-MB-231	cell line; breast derived
svcc72.2	MOLT4	Cell line	MOLT4	cell line; t-cell leukemia derived
svcc67.2	NB4+ATRA	Cell line	NB4+ATRA	cell line; neutrophil-like after Retinoic Acid induced differentiation (72 hours)
svcc54.2	RPMI-8226	Cell line	RPMI-8226	cell line; b-cell like (derived from a multiple myeloma)
svcc15.2	SK-BR-3	Cell line	SK-BR-3	cell line; luminal epithelial, ERBB2 positive
svcc74.2	SW872	Cell line	SW872	cell line; liposarcoma derived cell line
svcc71.2	T47D	Cell line	T47D	cell line; luminal epithelial, Estrogen receptor positive
svcc38.2	184A1-LATE	Cell line	184A1	cell line; basal epithelial, immortal derivative of 184Aa
svcc17.2	184Aa	Cell line	184Aa	cell line; basal epithelial, a second HMEC isolate unrelated to HMEC-C
svcc40.2	184B5	Cell line	184B5	cell line; basal epithelial, immortal derivative of 184Aa

Legend for Table 5

- 1= tumor name as it appears in the figures
- 2= clinical estrogen receptor status (determined by dextran binding assay or immunohistochemistry)
- 3= average R/G ratio of two independent sequence verified *ESR1* clones (the correlation between clinical ER status and the microarray data is best if one calls a R/G ratio of 2.25 or greater "positive" for estrogen receptor status)
- 4= *Erb-B2* clinical status as determined using immunohistochemistry
- 5= average R/G ratio of four independent sequence verified *Erb-B2* clones (the correlation between clinical *ERBB2* status and the microarray data is best if one calls a microarray ratio of 3.15 or greater "positive")
- 6= tumor grade
- 7= differentiation status
- 8= patient survival status: NED=no evidence of disease, AWD=alive with disease, DOD=dead of disease, DOC=dead of other cause
- 9= survival time in months
- 10= age at diagnosis
- 11=doxorubicin response: PR = reduction in tumor of 50% or more, PD = increase in tumor size over the course of the doxorubicin therapy, NT = not tested (described in T. Aas et al., Nature Medicine Vol. 2, p811-814 (1996))
- 12= p53 mutational status summary
- 13= p53 gene codon affected by mutation, if present
- 14= p53 gene nucleotide change identified
- 15= effect on p53 amino acid sequence, if applicable
- 16= additional findings and notes

Table 5

TUMOR ID	NEW YORK 3	STANFORD 14	NORWAY 41	STANFORD 23	NEW YORK 2	NORWAY 109	NORWAY 53
1							
2 ESR Clinical	negative	negative	positive	negative	negative	negative	positive
3 ESR Array	0.42	1.25	1.1	0.83	1	0.44	0.93
4 ERBB2 Clinical	not tested	not tested	negative	negative	not tested	negative	positive
5 ERBB2 Array	3.4	6.1	2.97	1.48	1.7	1.35	21.5
6 Tumor Grade	3	2	3	3	3	3	3
7 Differentiation	DUCTAL	DUCTAL	DUCTAL	DUCTAL	DUCTAL	DUCTAL	ductal
8 Survival Status	DOD	AWD	DOD	NED	DOD	NED	DOD
9 Survival Time	6	28	9	14	12	26	34
10 Age at Diagnosis	80	57	49	34	54	48	32
11 Doxorubicin Response	NT	NT	PR	NT	NT	PR	PR
12 p53 Status	missense	missense	missense	frameshift	not tested	nonsense	frameshift
13 p53 Codon	178	248	273	294		213	239-242
14 p53 Mutation	CAC->CCC	CGG-CAG	CGT->CAT	G deletion		CGA->TGA	11bp del
15 p53 A.A. Seq	his->pro	arg->gln	arg->his	frameshift		arg->stop	frameshift
16 Special Notes					had a high p53 immunostaining value		

Table 5

1	TUMOR ID	STANFORD 2	NORWAY 57	NORWAY 47	NORWAY 101	STANFORD 37-FA	NORWAY 61	NORWAY 65
2	ESR Clinical	negative	negative	positive	positive	not tested	positive	negative
3	ESR Array	1	0.88	2.28	0.47	2.25	2.27	8.6
4	ERBB2 Clinical	positive	positive	not tested	positive	not tested	positive	negative
5	ERBB2 Array	22.6	15.5	9.5	23.3	4.44	12.1	1.52
6	Tumor Grade	3	3	not tested	3	fibroadenoma	2	3
7	Differentiation	ductal	ductal	DCIS	ductal	NED	lobular	ductal
8	Survival Status	DOD	DOD	NED	AWD	14	NED	DOD
9	Survival Time	6	10	66	20	32	57	23
10	Age at Diagnosis	44	46	51	73	NT	58	66
11	Doxorubicin Response	NT	PD	PR	PR		PR	PD
12	p53 Status	missense	missense	WT	nonsense	not tested	WT	WT
13	p53 Codon	273	248		136			
14	p53 Mutation	CGT->TGT	CGG->CAG		CAA->TAA			
15	p53 A.A. Seq	arg->cys	arg->gln		gln->stoppp			
16	Special Notes					benign lesion		

1	TUMOR ID	NORWAY 112	NORWAY 14	STANFORD 17	NORWAY 48	NORWAY 15	NORWAY 7	NORWAY 26
2	ESR Clinical							
3	ESR Array	positive 3.35	positive 0.71	positive 9.1	negative 0.81	positive 5.48	positive 6	positive 9.1
4	ERBB2 Clinical							
5	ERBB2 Array	negative 1.75	negative 8.15	not tested 4.6	negative 2.7	negative 1.57	negative 1.9	positive 10.8
6	Tumor Grade	3	2	2	3	3	2	2
7	Differentiation	DUCTAL	ductal	ductal	ductal	ductal	ductal	ductal
8	Survival Status	NED	DOD	NED	DOD	NED	AWD	DOD
9	Survival Time	22	12	35	7	79	89	43
10	Age at Diagnosis	37	82	53	54	47	66	72
11	Doxorubicin Response	PD	PR	NT	PD	PR	PR	PD
12	p53 Status	WT	WT	WT	WT	missense	missense	frameshift
13	p53 Codon					163	273	217-221
14	p53 Mutation					TAC->TGC	CGT->CAT	14bp del
15	p53 A.A. Seq					tyr->cys	arg->his	frameshift
16	Special Notes	p16 mutant (145 ile->val)						



Table 5

1	TUMOR ID	NORWAY 19	NORWAY 11	NORWAY 104	NORWAY 12	NORWAY 100	NORWAY 39	NORWAY 17
2	ESR Clinical							
3	ESR Array	positive 7.9	positive 8.65	positive 10.8	positive 31.88	positive 19	positive 12	positive 32.9
4	ERBB2 Clinical							
5	ERBB2 Array	negative 1.43	positive 3.3	positive 3.15	positive 3.9	negative 1.45	negative 1.46	negative 2.5
6	Tumor Grade	3	3	3	3	3	2	2
7	Differentiation	ductal	ductal	ductal	ductal	ductal	ductal	ductal
8	Survival Status	DOD	DOD	NED	DOD	DOD	NED	NED
9	Survival Time	20	15	31	8	17	67	80
10	Age at Diagnosis	74	67	44	75	47	85	76
11	Doxorubicin Response	PD	PD	PD	PR	PR	PR	PR
12	p53 Status	missense	nonsense	WT	WT	nonsense	missense	WT
13	p53 Codon	249	204			165	237	
14	p53 Mutation	AGG->GGG	GAG->TAG			CAG->TAG	ATG->ATT	
15	p53 A.A. Seq	arg->gly	glu->stopp			gln->stopp	met->ile	
16	Special Notes							

Table 5

TUMOR ID	NORWAY 10	NORWAY 102	NEW YORK 1	STANFORD 35	STANFORD 38	STANFORD 16	NORWAY 111
1							
2	positive	positive	not tested	positive	positive	positive	positive
3	4.6	12.3	16	10.93	14.5	21.6	18.9
4	negative	negative	not tested	positive	positive	not tested	negative
5	2.2	2.2	2.4	2.47	5.76	1.68	0.87
6	2	3	2	3	2	3	3
7	lobular	ductal	ductal	ductal	ductal	ductal	ductal
8	DOD	NED	AWD	?	?	DOD	NED
9	30	29	188	?	10	14	30
10	58	65	46	52	45	77	55
11	PR	PR	NT	NT	NT	NT	PR
12	WT	WT	not tested	missense	WT	missense	WT
13				173		273	
14				GTG->ATG		CGT->TGT	
15				val->met		arg->cys	
16	tumor sample tested was from a metastasis to ovary						
	Special Notes						

Table 5

1	TUMOR ID	STANFORD 24	NORWAY 27	NORWAY 18	NORWAY 16	NORWAY 56
2	ESR Clinical	positive	positive	positive	positive	positive
3	ESR Array	16.99	29	27.81	18.9	33
4	ERBB2 Clinical	negative	negative	negative	negative	negative
5	ERBB2 Array	1.88	2.8	2.32	3.96	1.49
6	Tumor Grade	2	1	2	3	3
7	Differentiation	ductal	ductal	ductal	ductal	ductal
8	Survival Status	NED	AWD	DOC	NED	NED
9	Survival Time	13	73	33	78	61
10	Age at Diagnosis	69	77	66	74	64
11	Doxorubicin Response	NT	PR	PR	PR	PR
12	p53 Status	WT	WT	WT	WT	WT
13	p53 Codon					
14	p53 Mutation					
15	p53 A.A. Seq					
16	Special Notes					

Table 6

GID	UID	NAME
AID		
EWEIGHT		
1 GENE369X	GF201:96(97D9):384(13H18)	AMYLO-1,6-GLUCOSIDASE, 4-ALPHA-GLUCANOTRANSFERASE (GLYCOGEN DEBRANCHING ENZYME, GLYCOGEN STORAGE DISEASE TYPE III) AA68425
2 GENE437X	PEROU:96(4C5):384(19F9)	GDNF FAMILY RECEPTOR ALPHA 1 AA512935
3 GENE15X	GF200:96(12C7):384(3F13)	GLUTATHIONE S-TRANSFERASE THETA 2 AA490777
4 GENE174X	GF200:96(7H5):384(2P10)	HUMAN CLONE 23907 MRNA SEQUENCE R06567
5 GENE74X	GF200:96(19B3):384(5D6)	A DISINTEGRIN AND METALLOPROTEINASE DOMAIN 15 (METARGIDIN) AA292676
6 GENE449X	PEROU:96(6C4):384(20E8)	B-FACTOR, PROPERDIN H80257
7 GENE367X	GF201:96(97C2):384(13F4)	B-FACTOR, PROPERDIN AA401441
8 GENE57X	GF200:96(17D7):384(5G13)	MUCIN 1, TRANSMEMBRANE AA488073
9 GENE425X	PEROU:96(1G8):384(19M15)	156053 R72491
10 GENE385X	GF202:96(109D11):384(15G21)	SELENIUM BINDING PROTEIN 1 T65736
11 GENE356X	GF201:96(96E2):384(13I4)	ZA {REGION BETWEEN EXONS 35 AND 36 OF THE COMPLEMENT COMPONENT C4 GE} [HUMAN, FETAL ADRENAL GLAND, MRNA, 830 NT] AA664406
12 GENE131X	GF200:96(29D11):384(8G21)	ESTS, HIGHLY SIMILAR TO TRANSCRIPTION ELONGATION FACTOR TFIIS.H [H.SAPIENS] R09980
13 GENE162X	GF200:96(6D1):384(2G2)	KIAA0307 GENE PRODUCT AA019774
14 GENE252X	GF201:96(68E7):384(24I14)	H2A HISTONE FAMILY, MEMBER L N50797
15 GENE284X	GF201:96(85D6):384(10H12)	H2B HISTONE FAMILY, MEMBER Q AA010223
16 GENE172X	GF200:96(7D9):384(2H18)	H2B HISTONE FAMILY, MEMBER Q AA456695
17 GENE368X	GF201:96(97C6):384(13F12)	B-CELL CLL/LYMPHOMA 2 W63749
18 GENE403X	GF202:96(114A6):384(16A12)	ESTS, WEAKLY SIMILAR TO MEMBRANE GLYCOPROTEIN [M.MUSCULUS] AA159578
19 GENE383X	GF201:96(99H6):384(14O11)	51700 H22854
20 GENE474X	PEROU:96(8C5):384(20F9)	NEBULETTE N77806
21 GENE138X	GF200:96(31C3):384(8F6)	HUMAN DNA SEQUENCE FROM CLONE 167A19 ON CHROMOSOME 1P32.1-33. CONTAINS THREE GENES FOR NOVEL PROTEINS, THE DIO1 GENE FOR TYPE I IODOETHYRONE DEIODINASE (EC 3.8.1.4, TXDI1, ITDI1) AND AN HNRNP A3 (HETEROGENOUS NUCLEAR RIBONUCLEOPR N74025
22 GENE293X	GF201:96(87B9):384(11C17)	PROLACTIN RECEPTOR R63647
23 GENE482X	PEROU:96(9B3):384(18D6)	202658 H53479
24 GENE471X	PEROU:96(8B3):384(20D5)	202658 H53479
25 GENE391X	GF202:96(11A12):384(15B24)	609283 AA167189
26 GENE316X	GF201:96(89G11):384(11N22)	MYOSIN VI AA625890
27 GENE132X	GF200:96(29E4):384(8I7)	470216 AA028987
28 GENE444X	PEROU:96(6B10):384(20C20)	N-ACETYLTRANSFERASE 1 (ARYLAMINE N-ACETYLTRANSFERASE) R91803
29 GENE217X	GF201:96(57B11):384(21D22)	HOMO SAPIENS MRNA; CDNA DKFZP434A091 (FROM CLONE DKFZP434A091) AA431988
30 GENE232X	GF201:96(64C7):384(23E14)	358936 W92233
31 GENE140X	GF200:96(32E12):384(8J23)	SEVEN IN ABSENTIA (DROSOPHILA) HOMOLOG 2 AA029041
32 GENE122X	GF200:96(26H10):384(7O20)	HEPSIN (TRANSMEMBRANE PROTEASE, SERINE 1) H62162

Table 6

33	GENE228X	GF201:96(61A3):384(22B6)	417081 W87826	
34	GENE475X	PEROU:96(8D12):384(20H23)	470105 AA029949	
35	GENE304X	GF201:96(88E10):384(11I20)	HUMAN SECRETORY PROTEIN (P1.B) MRNA, COMPLETE CDS N74131	
36	GENE465X	PEROU:96(7F6):384(20L12)	HEPATOCYTE NUCLEAR FACTOR 3, ALPHA T74639	
37	GENE271X	GF201:96(82C9):384(9F17)	X-BOX BINDING PROTEIN 1 W90128	
38	GENE439X	PEROU:96(4D8):384(19H15)	ESTROGEN RECEPTOR 1 AA291702	
39	GENE351X	GF201:96(96A7):384(13A14)	ESTROGEN RECEPTOR 1 AA291749	
40	GENE17X	GF200:96(12E12):384(3J23)	GATA-BINDING PROTEIN 3 H72474	
41	GENE479X	PEROU:96(9A4):384(18B8)	GATA-BINDING PROTEIN 3 R31441	
42	GENE441X	PEROU:96(6A11):384(20A22)	GATA-BINDING PROTEIN 3 R31442	
43	GENE483X	PEROU:96(9B5):384(18D10)	ANNEXIN XXI N76688	
44	GENE178X	GF200:96(8C12):384(2F23)	HUMAN BREAST CANCER, ESTROGEN REGULATED LIV-1 PROTEIN (LIV-1) MRNA, PARTIAL CDS H29407	
45	GENE250X	GF201:96(67E2):384(24I3)	346321 W74079	
46	GENE374X	GF201:96(98C7):384(13F13)	HUMAN CHROMOSOME 16 BAC CLONE CIT987SK-254P9 H23265	
47	GENE196X	GF201:96(101C12):384(14F24)	71863 T52564	
48	GENE267X	GF201:96(81E4):384(9I8)	271989 N31935	
			ESTS, HIGHLY SIMILAR TO INOSITOL POLYPHOSPHATE 4-PHOSPHATASE TYPE II-ALPHA [H.SAPIENS]	
49	GENE3X	GF200:96(10C3):384(3E6)	R86721	
50	GENE481X	PEROU:96(9B2):384(18D4)	179211 H50224	
51	GENE470X	PEROU:96(8B2):384(20D3)	179211 H50224	
52	GENE222X	GF201:96(58D2):384(21H3)	MURINE LEUKEMIA VIRAL (BMI-1) ONCOGENE HOMOLOG T87515	
53	GENE56X	GF200:96(17D5):384(5G9)	MURINE LEUKEMIA VIRAL (BMI-1) ONCOGENE HOMOLOG AA478036	
54	GENE14X	GF200:96(12A2):384(3B3)	LUTHERAN BLOOD GROUP (AUBERGER B ANTIGEN INCLUDED) H24954	
55	GENE372X	GF201:96(97G8):384(13N16)	HOMO SAPIENS (PWD) GENE MRNA, 3' END N26536	
56	GENE238X	GF201:96(65D7):384(23H14)	782547 AA431796	
57	GENE40X	GF200:96(14G9):384(4M18)	ACYL-COENZYME A DEHYDROGENASE, SHORT/BRANCHED CHAIN H96140	
58	GENE277X	GF201:96(83C1):384(10E1)	CARNITINE PALMITOYLTRANSFERASE II N70848	
59	GENE381X	GF201:96(99D10):384(14G19)	ALDO-KETO REDUCTASE FAMILY 7, MEMBER A2 (AFLATOXIN ALDEHYDE REDUCTASE) T62865	
60	GENE31X	GF200:96(13D9):384(4G17)	CYTOCHROME P450, SUBFAMILY IIA (PHENOBARBITAL-INDUCIBLE), POLYPEPTIDE 7 T73031	
61	GENE81X	GF200:96(1F2):384(1K3)	ANGIOTENSIN RECEPTOR 1 H66116	
62	GENE319X	GF201:96(90E9):384(11J17)	LYMPHOID NUCLEAR PROTEIN RELATED TO AF4 H99588	
63	GENE163X	GF200:96(6D3):384(2G6)	HUMAN MRNA FOR KIAA0303 GENE, PARTIAL CDS AA418846	
64	GENE26X	GF200:96(12H10):384(3P19)	EPOXIDE HYDROLASE 2, CYTOPLASMIC R73525	
65	GENE325X	GF201:96(91H2):384(12O3)	DUAL SPECIFICITY PHOSPHATASE 4 AA444049	
66	GENE165X	GF200:96(6D8):384(2G16)	EGF-LIKE-DOMAIN, MULTIPLE 2 H39187	
67	GENE105X	GF200:96(25C5):384(7E9)	CYCLIN D1 (PRAD1; PARATHYROID ADENOMATOSIS 1) AA487700	
68	GENE142X	GF200:96(32G8):384(8N15)	ALPHA-1-ANTICHYMOTRYPSIN T80924	
69	GENE431X	PEROU:96(2G10):384(19M20)	TREFOIL FACTOR 1 (BREAST CANCER, ESTROGEN-INDUCIBLE SEQUENCE EXPRESSED IN) R83818	
70	GENE186X	GF200:96(9G1):384(3M1)	ESTS, MODERATELY SIMILAR TO CADHERIN 12 [H.SAPIENS] W02256	

Table 6

71	GENE89X	GF200:96(22E10):384(6120)	ESTS, MODERATELY SIMILAR TO CADHERIN 12 [H.SAPIENS] AA418564
72	GENE345X	GF201:96(95D3):384(13G5)	SMA3 AA028921
73	GENE22X	GF200:96(12G1):384(3N1)	FLAVIN CONTAINING MONOOXYGENASE 5 H52001
74	GENE323X	GF201:96(91C10):384(12E19)	HOMO SAPIENS BASIC TRANSCRIPTION FACTOR 2 P44 (BT2P44) GENE, PARTIAL CDS, NEURONAL APOPTOSIS INHIBITORY PROTEIN (NAIP) AND SURVIVAL MOTOR NEURON PROTEIN (SMN) GENES, COMPLETE CDS W72437
75	GENE259X	GF201:96(79G2):384(9M3)	204740 H57306
76	GENE136X	GF200:96(2H4):384(1O8)	PLASMINOGEN ACTIVATOR, TISSUE AA453728
77	GENE123X	GF200:96(26H12):384(7O24)	H.SAPIENS MRNA FOR RAT HREV107-LIKE PROTEIN AA476543
78	GENE415X	PEROU:96(10B11):384(18D21)	ESTS WEAKLY SIMILAR TO HEAT SHOCK 27 KD PROTEIN [H.SAPIENS] AA010110
79	GENE128X	GF200:96(28E10):384(7J19)	ESTS, WEAKLY SIMILAR TO HSP 27 [H.SAPIENS] H57494
80	GENE240X	GF201:96(66D10):384(23H19)	267681 N25553
81	GENE155X	GF200:96(4G3):384(1N5)	547247 AA085318
82	GENE346X	GF201:96(95F4):384(13K7)	GLUTATHIONE S-TRANSFERASE THETA 1 H99813
83	GENE54X	GF200:96(16H3):384(4P5)	PARVALBUMIN AA010609
84	GENE191X	GF201:96(100C2):384(14E4)	50582 H17038
85	GENE347X	GF201:96(95G1):384(13M1)	GLUTAMATE DECARBOXYLASE 1 (BRAIN, 67KD) AA018457
86	GENE292X	GF201:96(87B4):384(11C7)	PROTEIN KINASE, CAMP-DEPENDENT, CATALYTIC, BETA AA018980
87	GENE291X	GF201:96(87A12):384(11A23)	PROTEIN TYROSINE PHOSPHATASE, RECEPTOR TYPE, M H26426
88	GENE290X	GF201:96(87A11):384(11A21)	RAP1, GTPASE ACTIVATING PROTEIN 1 AA682897
89	GENE324X	GF201:96(91E8):384(12I15)	TRANSFORMING GROWTH FACTOR BETA-STIMULATED PROTEIN TSC-22 AA664389
90	GENE88X	GF200:96(22C1):384(6E2)	TISSUE SPECIFIC TRANSPLANTATION ANTIGEN P35B AA421687
91	GENE10X	GF200:96(11F5):384(3L10)	CHLORIDE CHANNEL, NUCLEOTIDE-SENSITIVE, 1A T52435
92	GENE337X	GF201:96(94A5):384(12B9)	KIAA0429 GENE PRODUCT AA676805
93	GENE242X	GF201:96(66D6):384(23H11)	504372 AA142842
94	GENE213X	GF201:96(56A5):384(21A10)	RETINOIC ACID RECEPTOR RESPONDER (TAZAROTENE INDUCED) 3 W47350
95	GENE45X	GF200:96(15C9):384(4F18)	TRANSPORTER 1, ABC (ATP BINDING CASSETTE) AA487637
96	GENE49X	GF200:96(15H8):384(4P16)	ESTS, HIGHLY SIMILAR TO SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 1-ALPHA/BETA [H.SAPIENS] AA486367
97	GENE494X	PEROU:96(9G3):384(18N6)	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 1-ALPHA/BETA AA079495
98	GENE493X	PEROU:96(9G2):384(18N4)	SIGNAL TRANSDUCER AND ACTIVATOR OF TRANSCRIPTION 1-ALPHA/BETA AA076085
99	GENE318X	GF201:96(90E5):384(11J9)	BONE MARROW STROMAL CELL ANTIGEN 2 AA485371
100	GENE376X	GF201:96(98F10):384(13L19)	INTERFERON-INDUCED PROTEIN 41, 30KD R54613
101	GENE71X	GF200:96(18H7):384(5O14)	INTERFERON-INDUCED PROTEIN 41, 30KD T62627
102	GENE305X	GF201:96(88E11):384(11I22)	INTERFERON-INDUCED PROTEIN 17 AA419251
103	GENE148X	GF200:96(4A8):384(1B15)	HUMAN MRNA FOR 56-KDA PROTEIN INDUCED BY INTERFERON AA489743
104	GENE61X	GF200:96(17H9):384(5O17)	INTERFERON, ALPHA-INDUCIBLE PROTEIN (CLONE IFI-6-16) AA448478
105	GENE492X	PEROU:96(9G1):384(18N2)	INTERFERON, ALPHA-INDUCIBLE PROTEIN (CLONE IFI-6-16) AA075725
106	GENE116X	GF200:96(26C8):384(7E16)	INTERFERON, ALPHA-INDUCIBLE PROTEIN (CLONE IFI-6-16) AA432030

Table 6

107	GENE309X	GF201:96(88F1):384(11K2)	INTERFERON-STIMULATED PROTEIN, 15 KDA AA406020
108	GENE55X	GF200:96(17C9):384(5E17)	MYXOVIRUS (INFLUENZA) RESISTANCE 1, HOMOLOG OF MURINE (INTERFERON-INDUCIBLE PROTEIN P78) AA456886
109	GENE310X	GF201:96(88F3):384(11K6)	INTERFERON, ALPHA-INDUCIBLE PROTEIN 27 AA157813
110	GENE100X	GF200:96(24D3):384(6H5)	GLUTAMIC-OXALOACETIC TRANSAMINASE 2, MITOCHONDRIAL (ASPARTATE AMINOTRANSFERASE 2) AA487739
111	GENE406X	GF202:96(114E5):384(16I10)	509462 AA056377
112	GENE489X	PEROU:96(9D8):384(18H16)	416386 W86859
113	GENE11X	GF200:96(11G1):384(3N2)	ESTS, WEAKLY SIMILAR TO !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.SAPIENS] H97778
114	GENE205X	GF201:96(102D2):384(14H3)	85804 T72068
115	GENE432X	PEROU:96(2H1):384(19Q2)	KIAA0182 A1023801
116	GENE442X	PEROU:96(6A8):384(20A16)	HOMO SAPIENS MRNA; CDNA DKFZP586C201 (FROM CLONE DKFZP586C201) R12563
117	GENE413X	GF202:96(116D8):384(16H15)	HOMO SAPIENS MRNA FOR HYPOTHETICAL PROTEIN AA487488
118	GENE477X	PEROU:96(8E4):384(20I7)	CELLULAR RETINOIC ACID-BINDING PROTEIN 2 AA036986
119	GENE419X	PEROU:96(10D1):384(18H1)	CELLULAR RETINOIC ACID-BINDING PROTEIN 2 AA036987
120	GENE107X	GF200:96(25E7):384(7I13)	CELLULAR RETINOIC ACID-BINDING PROTEIN 2 AA598508
121	GENE417X	PEROU:96(10C10):384(18F19)	PLACENTAL BIKUNIN (KUNITZ-TYPE SERINE PROTEASE INHIBITOR) AA031287
122	GENE261X	GF201:96(80F11):384(9K22)	HUMAN DNA SEQUENCE FROM CLONE 431H6 ON CHROMOSOME 16. CONTAINS A NOVEL GENE WITH SOME HOMLOGY TO MOUSE HN1 (HEMATOLOGICAL AND NEUROLOGICAL EXPRESSED SEQUENCE 1) DOWNSTREAM OF A PUTATIVE CPG ISLAND. CONTAINS ESTS AND GSSS AA045658
123	GENE433X	PEROU:96(3B1):384(19D2)	KERATIN 18 AA070385
124	GENE59X	GF200:96(17G6):384(5M11)	KERATIN 8 AA598517
125	GENE414X	GF202:96(160G7):384(17N13)	44292 H06273
126	GENE90X	GF200:96(22E5):384(6I10)	TUMOR PROTEIN D52 AA459318
127	GENE210X	GF201:96(55F6):384(21K11)	PROTEIN KINASE, AMP-ACTIVATED, BETA 2 NON-CATALYTIC SUBUNIT N78582
128	GENE219X	GF201:96(57D11):384(21H22)	HOMO SAPIENS 14-3-3 PROTEIN MRNA, COMPLETE CDS AA609598
129	GENE0X	GF200:96(10A1):384(3A2)	124781 R01118
130	GENE227X	GF201:96(59D2):384(22G3)	365536 AA009596
131	GENE394X	GF202:96(111G2):384(15N4)	HOMO SAPIENS MRNA; CDNA DKFZP564H0223 (FROM CLONE DKFZP564H0223) AA160498
132	GENE226X	GF201:96(59C9):384(22E17)	CALMODULIN 1 (PHOSPHORYLASE KINASE, DELTA) R76554
133	GENE352X	GF201:96(96B1):384(13C2)	E2F TRANSCRIPTION FACTOR 5, P130-BINDING AA455521
134	GENE495X	PEROU:96(9G5):384(18N10)	530722 AA069820
135	GENE159X	GF200:96(5F11):384(2K21)	ATPASE, H+ TRANSPORTING, LYSOSOMAL (VACUOLAR PROTON PUMP) 21KD AA480826
136	GENE235X	GF201:96(64H11):384(23O22)	491778 AA115275
137	GENE4X	GF200:96(10D5):384(3G10)	LYSOPHOSPHOLIPASE 1 H00817
138	GENE457X	PEROU:96(6F3):384(20K6)	ESTS, WEAKLY SIMILAR TO KIAA0108 [H.SAPIENS] AA033947
139	GENE399X	GF202:96(112E11):384(15J21)	ESTS, WEAKLY SIMILAR TO KIAA0108 [H.SAPIENS] AA600214
140	GENE173X	GF200:96(7E12):384(2J24)	GAMMA-GLUTAMYL HYDROLASE (CONJUGASE, FOLYLPOLYGAMMAGLUTAMYL HYDROLASE) AA455800
141	GENE375X	GF201:96(98D9):384(13H17)	HOMO SAPIENS CLONE 23856 UNKNOWN MRNA, PARTIAL CDS AA487428

Table 6

142	GENE158X	GF200:96(5D4):384(2G7)	NUCLEOLAR PROTEIN P40 R45255
143	GENE92X	GF200:96(22H6):384(6012)	MAJOR HISTOCOMPATIBILITY COMPLEX, CLASS II, Y BOX-BINDING PROTEIN 1; DNA-BINDING PROTEIN B AA599175
144	GENE143X	GF200:96(3C3):384(1F6)	PEPTIDYLPROLYL ISOMERASE F (CYCLOPHILIN F) H05580
145	GENE397X	GF202:96(112C10):384(15F19)	ESTS, WEAKLY SIMILAR TO R07G3.8 [C.ELEGANS] AA173423
146	GENE427X	PEROU:96(2A10):384(19A20)	TRANSFERRIN RECEPTOR (P90, CD71) N27985
147	GENE299X	GF201:96(88A12):384(11A24)	ESTS, HIGHLY SIMILAR TO MITOTIC KINESIN-LIKE PROTEIN-1 [H.SAPIENS] AA454098
148	GENE42X	GF200:96(15B4):384(4D8)	V-MYB AVIAN MYELOBLASTOSIS VIRAL ONCOGENE HOMOLOG-LIKE 2 AA456878
149	GENE272X	GF201:96(82D11):384(9H21)	430186 AA010188
150	GENE47X	GF200:96(15E12):384(4J24)	THYMOSIN, BETA 10 AA486085
151	GENE390X	GF202:96(110D6):384(15G12)	ECTODERMAL-NEURAL CORTEX (WITH BTB-LIKE DOMAIN) H72122
152	GENE389X	GF202:96(110D4):384(15G8)	HOMO SAPIENS MRNA; CDNA DKFZP434F152 (FROM CLONE DKFZP434F152) AA186605
153	GENE335X	GF201:96(93G12):384(12N24)	HOMO SAPIENS MRNA FOR LSM1 PROTEIN AA628430
154	GENE194X	GF201:96(101A7):384(14B14)	74223 T48412
155	GENE189X	GF201:96(100A10):384(14A20)	80292 T64433
156	GENE12X	GF200:96(11G7):384(3N14)	TRANSCRIPTION FACTOR AP-2 BETA (ACTIVATING ENHANCER-BINDING PROTEIN 2 BETA) AA018906
157	GENE286X	GF201:96(86B7):384(10D13)	URACIL-DNA GLYCOSYLASE 2 AA425900
158	GENE251X	GF201:96(68D5):384(24G10)	415229 W91879
159	GENE233X	GF201:96(64D4):384(23G8)	HOMO SAPIENS MRNA; CDNA DKFZP586J2118 (FROM CLONE DKFZP586J2118) R98407
160	GENE485X	PEROU:96(9C1):384(18F2)	297604 N69835
161	GENE473X	PEROU:96(8C4):384(20F7)	297604 N69835
162	GENE152X	GF200:96(4E5):384(1J9)	POTASSIUM CHANNEL, SUBFAMILY K, MEMBER 1 (TWIK-1) N62620
163	GENE264X	GF201:96(80H6):384(9O12)	124447 R01094
164	GENE135X	GF200:96(2B10):384(1C20)	S100 CALCIUM-BINDING PROTEIN P R32952
165	GENE197X	GF201:96(101D6):384(14H12)	68818 T53431
166	GENE314X	GF201:96(89C12):384(11F24)	OCCLUDIN H94471
167	GENE60X	GF200:96(17H1):384(5O1)	JUNCTION PLAKOGLOBIN R06417
168	GENE422X	PEROU:96(10E9):384(18J17)	HOMO SAPIENS BREAST CANCER PUTATIVE TRANSCRIPTION FACTOR (ZABC1) MRNA, COMPLETE CDS AA460802
169	GENE421X	PEROU:96(10E8):384(18J15)	HOMO SAPIENS BREAST CANCER PUTATIVE TRANSCRIPTION FACTOR (ZABC1) MRNA, COMPLETE CDS AA782528
170	GENE9X	GF200:96(11D4):384(3H8)	LAMININ, ALPHA 5 AA459519
171	GENE77X	GF200:96(19F4):384(5L8)	773233 AA425259
172	GENE411X	GF202:96(116B10):384(16D19)	ESTS, WEAKLY SIMILAR TO KIAA0631 PROTEIN [H.SAPIENS] AA497001
173	GENE153X	GF200:96(4F3):384(1L5)	TRANSCRIPTION FACTOR AP-2 GAMMA (ACTIVATING ENHANCER-BINDING PROTEIN 2 GAMMA) AA399334
174	GENE246X	GF201:96(66H1):384(23P1)	KIAA0626 GENE PRODUCT N62737
175	GENE270X	GF201:96(82B4):384(9D7)	HUMAN DNA SEQUENCE FROM CLONE 71L16 ON CHROMOSOME XP11. CONTAINS A PROBABLE ZINC FINGER PROTEIN (PSEUDO)GENE, AN UNKNOWN PUTATIVE GENE, A PSEUDOGENE WITH HIGH SIMILARITY TO PART OF ANTIGEN KI-67, A PUTATIVE CHONDROITIN 6-SULFOTRAN W47116



Table 6

176	GENE387X	GF202:96(110A5):384(15A10)	HOMO SAPIENS CLONE 23876 NEURONAL OLFACTOMEDIN-RELATED ER LOCALIZED PROTEIN MRNA, PARTIAL CDS H23124
177	GENE234X	GF201:96(64D5):384(23G10)	488431 AA047441
178	GENE334X	GF201:96(93E11):384(12J22)	79935 T61475
179	GENE21X	GF200:96(12F4):384(3L7)	FUMARYLACETOACETATE H44956
180	GENE160X	GF200:96(5H10):384(20I9)	TRANSDUCER OF ERBB-2 AA490213
181	GENE146X	GF200:96(3D6):384(1H12)	DIAPHORASE (NADH/NADPH) (CYTOCHROME B-5 REDUCTASE) AA455538
182	GENE294X	GF201:96(87E9):384(11I17)	DNA SEGMENT, SINGLE COPY PROBE LNS-CAI/LNS-CAII (DELETED IN POLYPOSIS H99681)
183	GENE30X	GF200:96(13D4):384(4G7)	CYTOCHROME B-5 R92281
184	GENE491X	PEROU:96(9F3):384(18L6)	299664 N75017
185	GENE265X	GF201:96(81D9):384(9H18)	HOMO SAPIENS MRNA; CDNA DKFZP564J142 (FROM CLONE DKFZP564J142) N75017
186	GENE247X	GF201:96(66H8):384(23P15)	504678 AA142942
187	GENE326X	GF201:96(91H4):384(12O7)	KYNURENINASE; L-KYNURENINE HYDROLASE H87471
188	GENE41X	GF200:96(14H3):384(4O6)	ACTIVATED LEUCOCYTE CELL ADHESION MOLECULE R13558
189	GENE103X	GF200:96(24G9):384(6N17)	ELECTRON-TRANSFER-FLAVOPROTEIN, ALPHA POLYPEPTIDE (GLUTARIC ACIDURIA II) T58002
190	GENE119X	GF200:96(26F1):384(7K2)	130843 R22306
191	GENE379X	GF201:96(99B8):384(14C15)	PARAOXONASE 3 T57069
192	GENE121X	GF200:96(26G9):384(7M18)	PARAOXONASE 3 R95740
193	GENE348X	GF201:96(95G5):384(13M9)	GAP JUNCTION PROTEIN, BETA 1, 32KD (CONNEXIN 32, CHARCOT-MARIE-TOOTH NEUROPATHY, X-LINKED) N62394
194	GENE366X	GF201:96(97B6):384(13D12)	BONE MORPHOGENETIC PROTEIN 4 AA463225
195	GENE206X	GF201:96(55A8):384(21A15)	ACYL-COENZYME A OXIDASE 2, BRANCHED CHAIN T71782
196	GENE141X	GF200:96(32G3):384(8N5)	ESTS, HIGHLY SIMILAR TO AQUAPORIN 3 [H.SAPIENS] R91904
197	GENE322X	GF201:96(91A4):384(12A7)	470279 AA028905
198	GENE79X	GF200:96(1A9):384(1A17)	WINGLESS-TYPE MMTV INTEGRATION SITE FAMILY, MEMBER 5A W49672
199	GENE38X	GF200:96(14G12):384(4M24)	298155 N70794
200	GENE338X	GF201:96(94E8):384(12J15)	HUMAN HOX2.2 GENE FOR A HOMEBOX PROTEIN AA610066
201	GENE68X	GF200:96(18G2):384(5M4)	HUMAN PROTEINASE ACTIVATED RECEPTOR-2 MRNA, 3'UTR AA454652
202	GENE461X	PEROU:96(7B4):384(20D8)	176461 H43515
203	GENE463X	PEROU:96(7B6):384(20D12)	364302 AA022462
204	GENE73X	GF200:96(19B1):384(5D2)	CREATINE KINASE, MITOCHONDRIAL 1 (UBIQUITOUS) AA019482
205	GENE358X	GF201:96(96F4):384(13K8)	CHROMOGHRANIN B (SECRETOGHRANIN 1) W37769
206	GENE95X	GF200:96(23H7):384(6P14)	M-PHASE PHOSPHOPROTEIN 6 AA478524
207	GENE203X	GF201:96(102B12):384(14D23)	83297 T68333
208	GENE154X	GF200:96(4G1):384(1N1)	3-OXOACID COA TRANSFERASE R40897
209	GENE207X	GF201:96(55D8):384(21G15)	MKP-1 LIKE PROTEIN TYROSINE PHOSPHATASE AA136040
210	GENE229X	GF201:96(62H2):384(22P3)	302025 N89753
211	GENE28X	GF200:96(13C8):384(4E15)	ESTS, WEAKLY SIMILAR TO MEL-13A PROTEIN [M.MUSCULUS] AA464421
212	GENE260X	GF201:96(79G4):384(9M7)	ESTS, WEAKLY SIMILAR TO !!!! ALU SUBFAMILY SB WARNING ENTRY !!!! [H.SAPIENS] AA454610

Table 6

213	GENE241X	GF201:96(66D12):384(23H23)	418240 W90241	
214	GENE289X	GF201:96(86H1):384(10P1)	S100 CALCIUM-BINDING PROTEIN A8 (CALGRANULIN A) AA086471	
215	GENE288X	GF201:96(86G1):384(10N1)	ESTS, HIGHLY SIMILAR TO STAT4 [M.MUSCULUS] R91570	
216	GENE223X	GF201:96(58F9):384(21L17)	UNTITLED R16098	
217	GENE296X	GF201:96(87H11):384(11O21)	MATRIX METALLOPROTEINASE 15 (MEMBRANE-INSERTED) AA443300	
218	GENE486X	PEROU:96(9C11):384(18F22)	ERBB-2 RECEPTOR PROTEIN-TYROSINE KINASE PRECURSOR AA025141	
219	GENE428X	PEROU:96(2F1):384(19K2)	ERBB2 AA481939	
220	GENE420X	PEROU:96(10E11):384(18J21)	ERBB2-POLYA X03363	
221	GENE43X	GF200:96(15B6):384(4D12)	V-ERB-B2 AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL ONCOGENE HOMOLOG 2 (NEURO/GLIOBLASTOMA DERIVED ONCOGENE HOMOLOG) AA443351	
222	GENE455X	PEROU:96(6E5):384(20I10)	V-ERB-B2 AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL ONCOGENE HOMOLOG 2 (NEURO/GLIOBLASTOMA DERIVED ONCOGENE HOMOLOG) AA025141	
223	GENE312X	GF201:96(88H2):384(11O4)	GROWTH FACTOR RECEPTOR-BOUND PROTEIN 7 H53703	
224	GENE97X	GF200:96(24B4):384(6D7)	STEROIDOGENIC ACUTE REGULATORY PROTEIN RELATED AA504710	
225	GENE468X	PEROU:96(8A1):384(20B1)	68400 T57034	
226	GENE440X	PEROU:96(6A1):384(20A2)	68400 T57034	
227	GENE466X	PEROU:96(7F8):384(20L16)	SWI/SNF RELATED, MATRIX ASSOCIATED, ACTIN DEPENDENT REGULATOR OF CHROMATIN, SUBFAMILY E, MEMBER 1 W63613	
228	GENE98X	GF200:96(24B5):384(6D9)	TNF RECEPTOR-ASSOCIATED FACTOR 4 AA598826	
229	GENE282X	GF201:96(84D8):384(10G16)	347348 W81186	
230	GENE113X	GF200:96(26C12):384(7E24)	FLOTILLIN 2 R73545	
231	GENE78X	GF200:96(19H6):384(5P12)	TGFB1-INDUCED ANTI-APOPTOTIC FACTOR 1 AA446222	
232	GENE166X	GF200:96(6H10):384(2O20)	KIAA0130 GENE PRODUCT N76581	
233	GENE150X	GF200:96(4B7):384(1D13)	ESTS, HIGHLY SIMILAR TO INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 2 PRECURSOR [H.SAPIENS] H79047	
234	GENE490X	PEROU:96(9E8):384(18J16)	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 5 (IGFBP5) AA054451	
235	GENE171X	GF200:96(7D2):384(2H4)	HUMAN INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 5 (IGFBP5) MRNA H08560	
236	GENE306X	GF201:96(88E3):384(11I6)	HUMAN INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 5 (IGFBP5) MRNA T52830	
237	GENE1X	GF200:96(10A12):384(3A24)	PHOSPHOSERINE PHOSPHATASE-LIKE W05628	
238	GENE137X	GF200:96(30G3):384(8M6)	122982 R00332	
239	GENE109X	GF200:96(25G2):384(7M3)	CYTOCHROME C OXIDASE SUBUNIT VIC AA456931	
240	GENE199X	GF201:96(101H5):384(14P10)	78921 T60482	
241	GENE32X	GF200:96(13F4):384(4K7)	134783 R31701	
242	GENE23X	GF200:96(12G2):384(3N3)	FIBRONECTIN 1 R62612	
243	GENE221X	GF201:96(58A11):384(21B21)	H.SAPIENS MRNA FOR INHIBIN BETA(A) SUBUNIT N27159	
244	GENE169X	GF200:96(7C3):384(2F6)	CALCIUM/CALMODULIN-DEPENDENT PROTEIN KINASE (CAM KINASE) II GAMMA T96083	
245	GENE402X	GF202:96(114A5):384(16A10)	839904 AA490059	
246	GENE330X	GF201:96(92E7):384(12I14)	MEMBRANE FATTY ACID (LIPID) DESATURASE W49667	
247	GENE370X	GF201:96(97E4):384(13I8)	RIBOSOMAL PROTEIN L26 AA633569	

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248	GENE216X	GF201:96(56E2):384(2114)	HUMAN CHROMOSOME 16 BAC CLONE CIT987SK-A-362G6 N75498
249	GENE145X	GF200:96(3C7):384(1F14)	NON-SPECIFIC CROSS REACTING ANTIGEN AA054073
250	GENE396X	GF202:96(112A1):384(15B1)	261194 H98215
251	GENE278X	GF201:96(83E6):384(10111)	503602 AA131299
252	GENE382X	GF201:96(99G5):384(14M9)	50114 H16743
253	GENE377X	GF201:96(99A4):384(14A7)	ESTS, HIGHLY SIMILAR TO CYTOPLASMIC DYNEIN LIGHT CHAIN 1 [H.SAPIENS] AA401429
254	GENE188X	GF200:96(9H12):384(3O23)	STEAROYL-COA DESATURASE (DELTA-9-DESATURASE) R00707
255	GENE168X	GF200:96(7A6):384(2B12)	LYSOSOMAL-ASSOCIATED MULTISPANNING MEMBRANE PROTEIN-5 AA410265
256	GENE6X	GF200:96(10G8):384(3M16)	ACTIN RELATED PROTEIN 2/3 COMPLEX, SUBUNIT 5 (16 KD) W55964
257	GENE269X	GF201:96(82B11):384(9D21)	345056 W72798
258	GENE273X	GF201:96(82F1):384(9L1)	487831 AA045083
259	GENE35X	GF200:96(14B7):384(4C14)	CATHEPSIN K (PYCNODYSTOSIS) R01515
260	GENE244X	GF201:96(66F1):384(23L1)	ESTS, WEAKLY SIMILAR TO MACROPHAGE LECTIN 2 [H.SAPIENS] N53421
261	GENE354X	GF201:96(96C1):384(13E2)	DERMATOPONTIN R48303
262	GENE429X	PEROU:96(2F2):384(19K4)	TISSUE INHIBITOR OF METALLOPROTEINASE 3 (SORSBY FUNDUS DYSTROPHY, PSEUDOINFLAMMATORY) AA445923
263	GENE435X	PEROU:96(3B9):384(19D18)	INTEGRIN, ALPHA 2 (CD49B, ALPHA 2 SUBUNIT OF VLA-2 RECEPTOR) AA069096
264	GENE149X	GF200:96(4B4):384(1D7)	INTEGRIN, ALPHA 2 (CD49B, ALPHA 2 SUBUNIT OF VLA-2 RECEPTOR) AA463610
265	GENE313X	GF201:96(89A1):384(11B2)	SER-THR PROTEIN KINASE RELATED TO THE MYOTONIC DYSTROPHY PROTEIN KINASE N35241
266	GENE129X	GF200:96(28E3):384(7J5)	ESTS, WEAKLY SIMILAR TO (DEFINE NOT AVAILABLE 5262644) [H.SAPIENS] N91426
267	GENE384X	GF202:96(109C9):384(15E17)	MICROTUBULE-ASSOCIATED PROTEIN 1B AA219045
268	GENE266X	GF201:96(81E12):384(9J24)	259996 N32611
269	GENE215X	GF201:96(56C11):384(21E22)	ESTS, WEAKLY SIMILAR TO !!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!! [H.SAPIENS] N21103
270	GENE276X	GF201:96(83A5):384(10A9)	141726 R69584
271	GENE410X	GF202:96(115D7):384(16H14)	842848 AA486281
272	GENE212X	GF201:96(55G4):384(21M7)	C3H-TYPE ZINC FINGER PROTEIN; SIMILAR TO D. MELANOGASTER MUSCLEBLIND B PROTEIN W16832
273	GENE144X	GF200:96(3C6):384(1F12)	NUCLEAR FACTOR 1/X (CCAAT-BINDING TRANSCRIPTION FACTOR) AA406269
274	GENE182X	GF200:96(9A3):384(3A5)	ESTS, HIGHLY SIMILAR TO LAR-INTERACTING PROTEIN 1A [H.SAPIENS] N52679
275	GENE94X	GF200:96(23F7):384(6L14)	FAS (TNFRSF6)-ASSOCIATED VIA DEATH DOMAIN AA430751
276	GENE263X	GF201:96(80H4):384(9O8)	ESTS, WEAKLY SIMILAR TO STRABISMUS [D.MELANOGASTER] T95333
277	GENE275X	GF201:96(82H5):384(9P9)	HOMO SAPIENS CLONE 23704 MRNA SEQUENCE N70212
278	GENE111X	GF200:96(26B7):384(7C14)	RAB6, MEMBER RAS ONCOGENE FAMILY H20138
279	GENE164X	GF200:96(6D7):384(2G14)	HUMAN MRNA FOR KIAA0280 GENE, PARTIAL CDS AA428746
280	GENE245X	GF201:96(66F4):384(23L7)	501731 AA127861
281	GENE183X	GF200:96(9A4):384(3A7)	V-MYC AVIAN MYELOCTOMATOSIS VIRAL ONCOGENE HOMOLOG 1, LUNG CARCINOMA DERIVED R62862
282	GENE130X	GF200:96(29B7):384(8C13)	66864 T64994
283	GENE85X	GF200:96(21G10):384(6M19)	PATERNALLY EXPRESSED GENE 3 AA459941
284	GENE139X	GF200:96(31D12):384(8H24)	ESTS, WEAKLY SIMILAR TO PLACENTAL RIBONUCLEASE INHIBITOR [H.SAPIENS] N53214
285	GENE478X	PEROU:96(8H2):384(20P3)	N-MYC AA101678

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286	GENE408X	GF202:96(114H8):384(16O16)	KDEL (LYS-ASP-GLU-LEU) ENDOPLASMIC RETICULUM PROTEIN RETENTION RECEPTOR 3 AA181085
287	GENE190X	GF201:96(100B1):384(14C2)	51344 H21040
288	GENE13X	GF200:96(11H12):384(3P24)	MENINGIOMA (DISRUPTED IN BALANCED TRANSLOCATION) 1 R59212
289	GENE295X	GF201:96(87H1):384(11O1)	MONOAMINE OXIDASE B AA682423
290	GENE170X	GF200:96(7D12):384(2H24)	NEUREGULIN 1 R72075
291	GENE7X	GF200:96(10H9):384(3O18)	HEXABRACHION (TENASCIN C, CYTOTACTIN) T77595
292	GENE484X	PEROU:96(9B8):384(18D16)	TRANSFORMING GROWTH FACTOR, BETA 2 N48082
293	GENE33X	GF200:96(13H3):384(4O5)	CARBONIC ANHYDRASE II H23187
294	GENE361X	GF201:96(96G10):384(13M20)	CARNITINE ACETYLTRANSFERASE AA621218
295	GENE450X	PEROU:96(6C7):384(20E14)	RAS HOMOLOG GENE FAMILY, MEMBER B H89046
296	GENE82X	GF200:96(1F7):384(1K13)	RAS HOMOLOG GENE FAMILY, MEMBER B AA495846
297	GENE185X	GF200:96(9E4):384(3I7)	B-CELL TRANSLOCATION GENE 2 (PHEOCHROMOCYTOMA CELL-3) H69582
298	GENE239X	GF201:96(65F2):384(23L4)	HOMO SAPIENS MRNA; CDNA DKFZP586B2420 (FROM CLONE DKFZP586B2420) W58343
299	GENE395X	GF202:96(111H12):384(15P24)	ESTS, HIGHLY SIMILAR TO SCK [H.SAPIENS] H10072
300	GENE24X	GF200:96(12G3):384(3N5)	FIBROMODULIN AA486471
301	GENE50X	GF200:96(16B4):384(4D7)	RIBONUCLEASE L (2',5'-OLIGOISADENYLATE SYNTHETASE-DEPENDENT) T60223
302	GENE167X	GF200:96(7A12):384(2B24)	ACTIN-BINDING LIM PROTEIN AA406601
303	GENE124X	GF200:96(27B1):384(7D2)	FLAVIN CONTAINING MONOOXYGENASE 3 H71847
304	GENE177X	GF200:96(8C11):384(2F21)	179276 H50323
305	GENE224X	GF201:96(58G10):384(21N19)	SERUM-INDUCIBLE KINASE AA460152
306	GENE364X	GF201:96(97B1):384(13D2)	WASP FAMILY VERPROLIN-HOMOLOGOUS PROTEIN 3 AA629542
307	GENE407X	GF202:96(114G1):384(16M2)	HOMO SAPIENS DNA SEQUENCE FROM COSMID ICK0721Q ON CHROMOSOME 6. CONTAINS A 60S RIBOSOMAL PROTEIN L35A LIKE PSEUDOGENE, A GENE CODING FOR A 60S RIBOSOMAL PROTEIN L12 LIKE PROTEIN IN AN INTRON OF THE HSET GENE CODING FOR A KINESIN AA457543
308	GENE192X	GF201:96(100H6):384(14O12)	77911 T61269
309	GENE248X	GF201:96(67C6):384(24E11)	300038 N78909
310	GENE405X	GF202:96(114C7):384(16E14)	78736 T61888
311	GENE220X	GF201:96(57D6):384(21H12)	ENDOTHELIN RECEPTOR TYPE B N29914
312	GENE258X	GF201:96(79E10):384(9I19)	782730 AA447978
313	GENE424X	PEROU:96(1C10):384(19E19)	APOLIPOPROTEIN D AA457084
314	GENE36X	GF200:96(14D12):384(4G24)	APOLIPOPROTEIN D H15842
315	GENE315X	GF201:96(89F3):384(11L6)	SEMA DOMAIN, IMMUNOGLOBULIN DOMAIN (1G), SHORT BASIC DOMAIN, SECRETED, (SEMAPHORIN) 3C AA042990
316	GENE200X	GF201:96(102A3):384(14B5)	ESTS, WEAKLY SIMILAR TO F56A11.5 [C.ELEGANS] T61938
317	GENE300X	GF201:96(88B12):384(11C24)	LAMININ, ALPHA 3 (NICEIN (150KD), KALININ (165KD), BM600 (150KD), EPILEGRIN) AA001432
318	GENE204X	GF201:96(102D12):384(14H23)	46694 H10192
319	GENE297X	GF201:96(87H2):384(11O3)	MONOAMINE OXIDASE A AA011096
320	GENE371X	GF201:96(97E5):384(13J10)	ALDEHYDE DEHYDROGENASE 1, SOLUBLE AA664101
321	GENE418X	PEROU:96(10C7):384(18F13)	428431 AA004415

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322	GENE281X	GF201:96(84B4):384(10C8)	INTEGRAL MEMBRANE PROTEIN 2C N53447
323	GENE446X	PEROU:96(6B5):384(20C10)	HUMAN IG J CHAIN GENE H24896
324	GENE480X	PEROU:96(9A9):384(18B18)	IMMUNOGLOBULIN J CHAIN H24896
325	GENE63X	GF200:96(18A10):384(5A20)	HUMAN IG J CHAIN GENE T70057
326	GENE436X	PEROU:96(3E4):384(19J8)	CD36 ANTIGEN (COLLAGEN TYPE I RECEPTOR, THROMBOSPONDIN RECEPTOR) R09416
327	GENE34X	GF200:96(14B4):384(4C8)	CD36 ANTIGEN (COLLAGEN TYPE I RECEPTOR, THROMBOSPONDIN RECEPTOR) N39161
328	GENE398X	GF202:96(112C8):384(15F15)	KIAA0569 GENE PRODUCT N45100
329	GENE285X	GF201:96(85H7):384(10P14)	V-MAF MUSCULOAPONEUROTIC FIBROSARCOMA (AVIAN) ONCOGENE HOMOLOG AA043501
330	GENE157X	GF200:96(5C8):384(2E15)	PEROXISOME PROLIFERATIVE ACTIVATED RECEPTOR, GAMMA AA088517
331	GENE363X	GF201:96(96H9):384(13O18)	TRANSMEMBRANE 4 SUPERFAMILY MEMBER 2 N93505
332	GENE8X	GF200:96(11D12):384(3H24)	SMALL INDUCIBLE CYTOKINE SUBFAMILY A (CYS-CYS), MEMBER 14 R96668
333	GENE62X	GF200:96(18A1):384(5A2)	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 6 AA478724
334	GENE120X	GF200:96(26F3):384(7K6)	PHOSPHATIDIC ACID PHOSPHATASE TYPE 2B T72119
335	GENE83X	GF200:96(21C4):384(6E7)	PHOSPHATIDIC ACID PHOSPHATASE TYPE 2B T71976
336	GENE362X	GF201:96(96G3):384(13M6)	CAVEOLIN 1, CAVEOLAE PROTEIN, 22KD AA055835
337	GENE44X	GF200:96(15C10):384(4F20)	TRANSFORMING GROWTH FACTOR, BETA RECEPTOR II (70-80KD) AA487034
338	GENE64X	GF200:96(18A3):384(5A6)	HUMAN KRUEPPEL-RELATED ZINC FINGER PROTEIN (H-PLK) MRNA, COMPLETE CDS N54596
339	GENE184X	GF200:96(9A5):384(3A9)	HUMAN KRUEPPEL-RELATED ZINC FINGER PROTEIN (H-PLK) MRNA, COMPLETE CDS N54596
340	GENE307X	GF201:96(88E4):384(11I8)	INSULIN-LIKE GROWTH FACTOR 2 (SOMATOMEDIN A) N74623
341	GENE231X	GF201:96(63E2):384(23I3)	212489 H68404
342	GENE350X	GF201:96(95G9):384(13M17)	PHOSPHORYLASE, GLYCOGEN; MUSCLE (MCARDLE SYNDROME, GLYCOGEN STORAGE DISEASE TYPE V) AA496032
343	GENE298X	GF201:96(87H7):384(11O13)	MICROFIBRILLAR-ASSOCIATED PROTEIN 4 AA496022
344	GENE401X	GF202:96(113H3):384(16O5)	ESTS, WEAKLY SIMILAR TO !!! ALU SUBFAMILY J WARNING ENTRY !!! [H.SAPIENS] AA487895
345	GENE443X	PEROU:96(6B1):384(20C2)	CYCLIN-DEPENDENT KINASE INHIBITOR 1C (P57, KIP2) R81336
346	GENE373X	GF201:96(97H6):384(13P12)	AQUAPORIN 1 (CHANNEL-FORMING INTEGRAL PROTEIN, 28KD) H24316
347	GENE193X	GF201:96(100H7):384(14O14)	78946 T61792
348	GENE70X	GF200:96(18H1):384(5O2)	484535 AA036974
349	GENE39X	GF200:96(14G2):384(4M4)	ALCOHOL DEHYDROGENASE 2 (CLASS 1), BETA POLYPEPTIDE N93428
350	GENE66X	GF200:96(18E1):384(5I2)	FOUR AND A HALF LIM DOMAINS 1 AA456394
351	GENE93X	GF200:96(23A7):384(6B14)	GLYCEROL-3-PHOSPHATE DEHYDROGENASE 1 (SOLUBLE) AA192547
352	GENE202X	GF201:96(102A5):384(14B9)	85660 T62068
353	GENE303X	GF201:96(88D12):384(11G24)	INTEGRIN, ALPHA 7 AA055979
354	GENE112X	GF200:96(26C1):384(7E2)	RETINOL-BINDING PROTEIN 4, INTERSTITIAL T72220
355	GENE301X	GF201:96(88B9):384(11C18)	LIPOPROTEIN LIPASE AA633835
356	GENE388X	GF202:96(110B10):384(15C20)	GLUTATHIONE PEROXIDASE 3 (PLASMA) AA664180
357	GENE332X	GF201:96(92H12):384(12O24)	AQUAPORIN 7 H27752
358	GENE460X	PEROU:96(7A10):384(20B20)	FATTY ACID BINDING PROTEIN 4, ADIPOCYTE A1652163
359	GENE456X	PEROU:96(6E7):384(20I14)	FATTY ACID BINDING PROTEIN 4, ADIPOCYTE AA046090

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360	GENE133X	GF200:96(29G2):384(8M3)	47043 H10721	
361	GENE386X	GF202:96(109G3):384(15M5)	HOMO SAPIENS CLONE 23698 MRNA SEQUENCE AA680300	
362	GENE404X	GF202:96(114B5):384(16C10)	ESTS, MODERATELY SIMILAR TO FAT-SPECIFIC PROTEIN FSP27 [M.MUSCULUS] AA088749	
363	GENE201X	GF201:96(102A4):384(14B7)	HOMO SAPIENS BRAIN MY047 PROTEIN MRNA, COMPLETE CDS T62031	
364	GENE181X	GF200:96(8H9):384(2P17)	MESENCHYME HOME BOX 1 AA426311	
365	GENE458X	PEROU:96(6G3):384(20M6)	HHCPA78 HOMOLOG AA044633	
366	GENE151X	GF200:96(4E1):384(1J1)	ENDOTHELIAL KRUPPEL-LIKE ZINC FINGER PROTEIN H45711	
367	GENE355X	GF201:96(96D8):384(13G16)	CYCLIN-DEPENDENT KINASE 5, REGULATORY SUBUNIT 1 (P35) AA442853	
368	GENE87X	GF200:96(22B11):384(6C22)	FB1 MURINE OSTEOSARCOMA VIRAL ONCOGENE HOMOLOG B T62179	
369	GENE198X	GF201:96(101F5):384(14L10)	79412 T57691	
370	GENE341X	GF201:96(94G6):384(12N11)	DUAL SPECIFICITY PHOSPHATASE 6 AA630374	
371	GENE343X	GF201:96(94H6):384(12P11)	LAMININ, GAMMA 2 (NICEIN (100KD), KALININ (105KD), BM600 (100KD), HERLITZ JUNCTIONAL EPIDERMOLYSIS BULLOSA) AA677534	
372	GENE342X	GF201:96(94H5):384(12P9)	MATRIX METALLOPROTEINASE 14 (MEMBRANE-INSERTED) N33214	
373	GENE327X	GF201:96(92B12):384(12C24)	COLLAGEN, TYPE XVII, ALPHA 1 H87536	
374	GENE161X	GF200:96(5H7):384(20I3)	CALPONIN 1, BASIC, SMOOTH MUSCLE AA399519	
375	GENE462X	PEROU:96(7B5):384(20D10)	PLEIOTROPHIN (HEPARIN BINDING GROWTH FACTOR 8, NEURITE GROWTH-PROMOTING FACTOR 1) AA001449	
376	GENE52X	GF200:96(16F12):384(4L23)	PLEIOTROPHIN (HEPARIN BINDING GROWTH FACTOR 8, NEURITE GROWTH-PROMOTING FACTOR 1) AA001449	
377	GENE454X	PEROU:96(6E4):384(20I8)	1912786 AI304356	
378	GENE19X	GF200:96(12E9):384(3I17)	GELSOLIN (AMYLOIDOSIS, FINNISH TYPE) H72027	
379	GENE176X	GF200:96(8C10):384(2F19)	BULLOUS PEMPHIGOID ANTIGEN 1 (230/240KD) H44784	
380	GENE329X	GF201:96(92B7):384(12C14)	SMALL INDUCIBLE CYTOKINE SUBFAMILY D (CYS-X3-CYS), MEMBER 1 (FRACTALKINE, NEUROTACTIN) R66139	
381	GENE488X	PEROU:96(9D1):384(18H2)	KERATIN 17 aa026642	
382	GENE476X	PEROU:96(8D6):384(20H11)	KERATIN 17 AA026642	
383	GENE487X	PEROU:96(9C6):384(18F12)	KERATIN 5 (EPIDERMOLYSIS BULLOSA SIMPLEX DOWLING-MEARA/KOBNER/WEBER-COCKAYNE TYPES) W72110	
384	GENE472X	PEROU:96(8C11):384(20F21)	ESTS, HIGHLY SIMILAR TO KERATIN K5, 58K TYPE II, EPIDERMAL W72110	
385	GENE336X	GF201:96(93G2):384(12N4)	ESTS, HIGHLY SIMILAR TO PROBABLE ATAXIA-TELANGIECTASIA GROUP D PROTEIN [H.SAPIENS] AA055486	
386	GENE106X	GF200:96(25C8):384(7E15)	CRYSTALLIN, ALPHA B AA504943	
387	GENE175X	GF200:96(8B12):384(2D23)	CAVEOLIN 2 T89391	
388	GENE37X	GF200:96(14E11):384(4I22)	ANNEXIN I (LIPOCORTIN I) H63077	
389	GENE353X	GF201:96(96B2):384(13C4)	DYSTROPHIN (MUSCULAR DYSTROPHY, DUCHENNE AND BECKER TYPES), INCLUDES DXS142, DXS164, DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272 AA461118	
390	GENE76X	GF200:96(19D7):384(5H14)	DIHYDROPYRIMIDINASE-LIKE 2 AA487674	
391	GENE256X	GF201:96(79B4):384(9C7)	272038 N31948	
392	GENE29X	GF200:96(13D12):384(4G23)	CYSTEINE DIOXYGENASE, TYPE I AA497111	

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393	GENE412X	GF202:96(116B11):384(16D21)	HUMAN LIVER CARBOXYLESTERASE MRNA, 3' END T68878
394	GENE127X	GF200:96(27H11):384(7P22)	ESTS, WEAKLY SIMILAR TO W01A11.2 GENE PRODUCT [C.ELEGANS] H25606
395	GENE5X	GF200:96(10E2):384(314)	KIAA0914 GENE PRODUCT N51424
396	GENE464X	PEROU:96(7E6):384(20J12)	MITOGEN INDUCIBLE 2 H29253
397	GENE268X	GF201:96(81H8):384(9P16)	307645 N93582
398	GENE236X	GF201:96(65A12):384(23B24)	HOMO SAPIENS MRNA FOR KIAA0786 PROTEIN, PARTIAL CDS W74533
399	GENE110X	GF200:96(26A2):384(7A4)	VON WILLEBRAND FACTOR AA487787
400	GENE46X	GF200:96(15E10):384(4J20)	TISSUE FACTOR PATHWAY INHIBITOR (LIPOPROTEIN-ASSOCIATED COAGULATION INHIBITOR) T47454
401	GENE339X	GF201:96(94F10):384(12L19)	ESTS, HIGHLY SIMILAR TO (DEFINITE NOT AVAILABLE 4704754) [H.SAPIENS] AA426053
402	GENE58X	GF200:96(17F4):384(5K7)	FATTY-ACID-COENZYME A LIGASE, LONG-CHAIN 1 T73556
403	GENE195X	GF201:96(101B6):384(14D12)	HOMO SAPIENS MRNA; CDNA DKFZP586A0522 (FROM CLONE DKFZP586A0522) T50041
404	GENE308X	GF201:96(88E5):384(11I10)	INSULIN RECEPTOR SUBSTRATE 1 AA460841
405	GENE48X	GF200:96(15F5):384(4L10)	SYNDECAN 2 (HEPARAN SULFATE PROTEOGLYCAN 1, CELL SURFACE-ASSOCIATED, FIBROGLYCAN) H64346
406	GENE430X	PEROU:96(2F4):384(19K8)	FIBROBLAST GROWTH FACTOR RECEPTOR 1 AA281189
407	GENE125X	GF200:96(27B3):384(7D6)	ALKALINE PHOSPHATASE, LIVER/BONE/KIDNEY T94626
408	GENE27X	GF200:96(13B9):384(4C17)	ALDO-KETO REDUCTASE FAMILY 1, MEMBER C1 (DIHYDRODIOL DEHYDROGENASE 1; 20-ALPHA (3-ALPHA)-HYDROXYSTEROID DEHYDROGENASE) R93124
409	GENE447X	PEROU:96(6C11):384(20E22)	6-PHOSPHOFRUCTO-2-KINASE/FRUCTOSE-2,6-BIPHOSPHATASE 3 N93901
410	GENE18X	GF200:96(12E4):384(317)	MICROSOMAL GLUTATHIONE S-TRANSFERASE 1 AA495936
411	GENE279X	GF201:96(83H11):384(10Q21)	811020 AA485369
412	GENE214X	GF201:96(56A7):384(21A14)	GUANINE NUCLEOTIDE BINDING PROTEIN (G PROTEIN), ALPHA STIMULATING ACTIVITY POLYPEPTIDE 1 AA035620
413	GENE101X	GF200:96(24E11):384(6J21)	814526 AA459588
414	GENE209X	GF201:96(55F4):384(21K7)	DNA-DEPENDENT PROTEIN KINASE CATALYTIC SUBUNIT-INTERACTING PROTEIN 2 N79761
415	GENE365X	GF201:96(97B5):384(13D10)	BONE MORPHOGENETIC PROTEIN 7 (OSTEOGENIC PROTEIN 1) W73473
416	GENE243X	GF201:96(66E1):384(23J1)	BONE MORPHOGENETIC PROTEIN 7 (OSTEOGENIC PROTEIN 1) AA029597
417	GENE274X	GF201:96(82G11):384(9N21)	ESTS, WEAKLY SIMILAR TO !!! ALU SUBFAMILY J WARNING ENTRY !!! [H.SAPIENS] AA459296
418	GENE393X	GF202:96(111D4):384(15H8)	757383 AA437140
419	GENE69X	GF200:96(18G9):384(5M18)	PREFERENTIALLY EXPRESSED ANTIGEN OF MELANOMA AA598817
420	GENE179X	GF200:96(8D1):384(2H1)	ESTS, MODERATELY SIMILAR TO !!! ALU SUBFAMILY SQ WARNING ENTRY !!! [H.SAPIENS] H59915
421	GENE438X	PEROU:96(4D3):384(19H5)	CYTOCHROME P450, SUBFAMILY I (DIOXIN-INDUCTIBLE), POLYPEPTIDE 1 (GLAUCOMA 3, PRIMARY INFANTILE) AA029776
422	GENE104X	GF200:96(25C2):384(7E3)	CYTOCHROME P450, SUBFAMILY I (DIOXIN-INDUCTIBLE), POLYPEPTIDE 1 (GLAUCOMA 3, PRIMARY INFANTILE) AA448157
423	GENE53X	GF200:96(16G12):384(4N23)	PHOSPHODIESTERASE 4B, CAMP-SPECIFIC (DUNCE (DROSOPHILA)-HOMOLOG PHOSPHODIESTERASE E4) AA453293
424	GENE67X	GF200:96(18G10):384(5M20)	PRE-B-CELL COLONY-ENHANCING FACTOR AA281932
425	GENE360X	GF201:96(96F8):384(13K16)	CERULOPLASMIN (FERROXIDASE) H86554



Table 6

426	GENE344X	GF201:96(95A7):384(13A13)	148225 H13688
427	GENE72X	GF200:96(18H9):384(5018)	NUCLEAR FACTOR 1/B W87611
428	GENE426X	PEROU:96(1H4):384(1907)	EPIDERMAL GROWTH FACTOR RECEPTOR (AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL (V-ERB-B) ONCOGENE HOMOLOG) AA234783
429	GENE349X	GF201:96(95G6):384(13M11)	GRO1 ONCOGENE (MELANOMA GROWTH STIMULATING ACTIVITY, ALPHA) W42723
430	GENE86X	GF200:96(21G12):384(6M23)	PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBUNIT, POLYPEPTIDE 1 (P85 ALPHA) R54050
431	GENE328X	GF201:96(92B2):384(12C4)	HUMAN DNA-BINDING PROTEIN ABP/ZF MRNA, COMPLETE CDS W88571
432	GENE416X	PEROU:96(10C1):384(18F1)	ANTILEUKOPROTEINASE AA026192
433	GENE331X	GF201:96(92H10):384(12O20)	FATTY ACID BINDING PROTEIN 7, BRAIN W72051
434	GENE359X	GF201:96(96F6):384(13K12)	CHITINASE 3-LIKE 2 AA668821
435	GENE467X	PEROU:96(7F9):384(20L18)	TRANSMEMBRANE 4 SUPERFAMILY MEMBER 1 AA088439
436	GENE451X	PEROU:96(6D1):384(20G2)	TRANSMEMBRANE 4 SUPERFAMILY MEMBER 1 N47476
437	GENE91X	GF200:96(22G5):384(6M10)	HOMO SAPIENS MRNA FOR CALPAIN-LIKE PROTEASE CANPX AA457330
438	GENE75X	GF200:96(19B4):384(5D8)	KERATIN 7 AA489569
439	GENE320X	GF201:96(90F1):384(11L1)	LADININ 1 T97710
440	GENE108X	GF200:96(25G1):384(7M1)	CADHERIN 3, P-CADHERIN (PLACENTAL) AA425556
441	GENE156X	GF200:96(5B4):384(2C7)	PROTEIN TYROSINE PHOSPHATASE, RECEPTOR TYPE, K R79082
442	GENE134X	GF200:96(2A12):384(1A24)	SRV (SEX-DETERMINING REGION Y)-BOX 9 (CAMPOMELIC DYSPLASIA, AUTOSOMAL SEX-REVERSAL) AA400739
443	GENE147X	GF200:96(4A3):384(1B5)	KERATIN 13 W23757
444	GENE257X	GF201:96(79D8):384(9G15)	KERATIN 13 W60057
445	GENE469X	PEROU:96(8A7):384(20B13)	2255577 AIG79149
446	GENE434X	PEROU:96(3B12):384(19D24)	INTEGRIN, BETA 4 AA076514
447	GENE287X	GF201:96(86C6):384(10F11)	TROPONIN I, SKELETAL, FAST AA181334
448	GENE65X	GF200:96(18A6):384(5A12)	INHIBITOR OF DNA BINDING 4, DOMINANT NEGATIVE HELIX-LOOP-HELIX PROTEIN AA464856
449	GENE459X	PEROU:96(6G5):384(20M10)	510165 AA053251
450	GENE255X	GF201:96(69E2):384(24J4)	321902 W37448
451	GENE218X	GF201:96(57C10):384(21F20)	PUTATIVE PROSTATE CANCER TUMOR SUPPRESSOR H13424
452	GENE423X	PEROU:96(1A3):384(19A5)	MDGI/FATTY ACID BINDING PROTEIN 3, MUSCLE AND HEART W04872
453	GENE20X	GF200:96(12F11):384(3L21)	FOLATE RECEPTOR 1 (ADULT) R24635
454	GENE357X	GF201:96(96F11):384(13K22)	CELLULAR RETINOIC ACID-BINDING PROTEIN 1 AA421218
455	GENE211X	GF201:96(55F8):384(21K15)	CELLULAR RETINOIC ACID-BINDING PROTEIN 1 AA454702
456	GENE321X	GF201:96(90H10):384(11P19)	DERMATAN SULPHATE PROTEOGLYCAN 3 AA131238
457	GENE237X	GF201:96(65A8):384(23B16)	357396 W93847
458	GENE2X	GF200:96(10B8):384(3C16)	SMALL INDUCIBLE CYTOKINE SUBFAMILY A (CYS-CYS), MEMBER 18, PULMONARY AND ACTIVATION-REGULATED AA495985
459	GENE117X	GF200:96(26C9):384(7E18)	CD79A ANTIGEN (IMMUNOGLOBULIN-ASSOCIATED ALPHA) T87012
460	GENE114X	GF200:96(26C3):384(7E6)	NEUTROPHIL CYTOSOLIC FACTOR 1 (47KD, CHRONIC GRANULOMATOUS DISEASE, AUTOSOMAL 1) AA489666



461	GENE445X	PEROU:96(6B12):384(20C24)	IMMUNOGLOBULIN LAMBDA LIGHT CHAIN R50297
462	GENE311X	GF201:96(88F6):384(11K12)	IMMUNOGLOBULIN LAMBDA-LIKE POLYPEPTIDE 2 W73790
463	GENE452X	PEROU:96(6D6):384(20G12)	HUMAN REARRANGED IMMUNOGLOBULIN LAMBDA LIGHT CHAIN MRNA N64851
464	GENE118X	GF200:96(26D3):384(7G6)	HUMAN REARRANGED IMMUNOGLOBULIN LAMBDA LIGHT CHAIN MRNA T67053
465	GENE84X	GF200:96(21D8):384(6G15)	BUTYROPHILIN, SUBFAMILY 3, MEMBER A3 AA478585
466	GENE302X	GF201:96(88C3):384(11E6)	LACTOTRANSFERRIN AA677706
467	GENE253X	GF201:96(69A2):384(24B4)	322223 W38022
468	GENE51X	GF200:96(16D9):384(4H17)	PROTEIN TYROSINE PHOSPHATASE, RECEPTOR TYPE, F AA598513
469	GENE208X	GF201:96(55E12):384(21I23)	HUMAN DNA SEQUENCE FROM CLONE 466N1 ON CHROMOSOME 22Q12-13 CONTAINS H1F0(H1 HISTONE FAMILY, MEMBER O) GENE, 2-AMINO-3-KETOBUTYRATE -COA LIGASE( NUCLEAR GENE ENCODING MITOCHONDRIAL PROTEIN), GALR3 (GALANIN RECEPTOR) GENE, ESTS, N93695
470	GENE187X	GF200:96(9G2):384(3M3)	METALLOTHIONEIN 1G H53340
471	GENE115X	GF200:96(26C4):384(7E8)	METALLOTHIONEIN 1L N80129
472	GENE317X	GF201:96(89G6):384(11N12)	S100 CALCIUM-BINDING PROTEIN A1 AA425934
473	GENE249X	GF201:96(67D6):384(24G11)	810459 AA457138
474	GENE400X	GF202:96(112G10):384(15N19)	ESTS, WEAKLY SIMILAR TO POTENT HEAT-STABLE PROTEIN PHOSPHATASE 2A INHIBITOR I1PP2A [H.SAPIENS] AA130596
475	GENE96X	GF200:96(24B11):384(6D21)	EPIDIDYMIS-SPECIFIC, WHEY-ACIDIC PROTEIN TYPE, FOUR-DISULFIDE CORE AA451904
476	GENE225X	GF201:96(59A12):384(22A23)	364555 AA022601
477	GENE283X	GF201:96(85B6):384(10D12)	359597 AA010818
478	GENE126X	GF200:96(27C4):384(7F8)	ESTS, WEAKLY SIMILAR TO (DEFINE NOT AVAILABLE 4502327) [H.SAPIENS] R65792
479	GENE262X	GF201:96(80F3):384(9K6)	321488 W32509
480	GENE80X	GF200:96(1B7):384(1C13)	V-MYC AVIAN MYELOCTOMATOSIS VIRAL ONCOGENE HOMOLOG AA464600
481	GENE380X	GF201:96(99C12):384(14E23)	ELECTRON-TRANSFER-FLAVOPROTEIN, BETA POLYPEPTIDE T62040
482	GENE333X	GF201:96(92H8):384(12O16)	GLUTATHIONE S-TRANSFERASE A4 AA152347
483	GENE230X	GF201:96(63C4):384(23E7)	415064 W93120
484	GENE378X	GF201:96(99A7):384(14A13)	IGG FC BINDING PROTEIN R52030
485	GENE254X	GF201:96(69D7):384(24H14)	323260 W42736
486	GENE392X	GF202:96(111B9):384(15D18)	ESTS, WEAKLY SIMILAR TO (DEFINE NOT AVAILABLE 4502327) [H.SAPIENS] T72850
487	GENE448X	PEROU:96(6C2):384(20E4)	220376 H86813
488	GENE180X	GF200:96(8E2):384(2J3)	MANNOSIDASE, ALPHA 6A8 H45455
489	GENE453X	PEROU:96(6E1):384(20I2)	GLUTATHIONE S-TRANSFERASE M1 W02680
490	GENE99X	GF200:96(24C12):384(6F23)	GLUTATHIONE S-TRANSFERASE M4 AA486669
491	GENE16X	GF200:96(12C8):384(3F15)	GLUTATHIONE S-TRANSFERASE M1 AA290737
492	GENE409X	GF202:96(115A2):384(16B4)	HLA-B ASSOCIATED TRANSCRIPT-3 H67876
493	GENE280X	GF201:96(84A4):384(10A8)	272262 N35592
494	GENE102X	GF200:96(24F4):384(6L7)	FIBROBLAST GROWTH FACTOR RECEPTOR 2 (BACTERIA-EXPRESSED KINASE, KERATINOCYTE GROWTH FACTOR RECEPTOR, CRANIOFACIAL DYSOSTOSIS 1, CROUZON SYNDROME, PFEIFFER SYNDROME, JACKSON-WEISS SYNDROME) AA443093

Table 6

495	GENE25X	GF200:96(12G5):384(3N9)	FIBROBLAST GROWTH FACTOR RECEPTOR 2 (BACTERIA-EXPRESSED KINASE, KERATINOCYTE GROWTH FACTOR RECEPTOR, CRANIOFACIAL DYSOSTOSIS 1, CROUZON SYNDROME, PFEIFFER SYNDROME, JACKSON-WEISS SYNDROME) AA456160
496	GENE340X	GF201:96(94F6):384(12L11)	H.SAPIENS MRNA FOR TRE ONCOGENE (CLONE 210) AA437374

Table 7: Epithelial-enriched gene set

197474
H52098
786609
AA478481
FIBROBLAST ACTIVATION PROTEIN, ALPHA
AA405569
LARGE FIBROBLAST PROTEOGLYCAN PRECURSOR
AA056022
LARGE FIBROBLAST PROTEOGLYCAN PRECURSOR
AA056022
CHONDROITIN SULFATE PROTEOGLYCAN CORE PROTEIN
AA722599
PLASMINOGEN ACTIVATOR, UROKINASE RECEPTOR
AA147962
FIBRONECTIN 1
R62612
FIBRONECTIN 1
R62612
HUMAN ISOLATE JUSO MUC18 GLYCOPROTEIN MRNA (3' VARIANT), COMPLETE CDS
AA497002
H.SAPIENS MRNA FOR INHIBIN BETA(A) SUBUNIT
N27159
HUMAN MRNA FOR FIBRONECTIN (FN PRECURSOR)
N26285
ESTS, MODERATELY SIMILAR TO !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.SAPIENS]
H77494
244703
N52533
HOMO SAPIENS MRNA FOR NIDOGEN-2
AA479199
LIM DOMAIN ONLY 7
H22826
TACHYKININ, PRECURSOR 1 (SUBSTANCE K, SUBSTANCE P, NEUROKININ 1, NEUROKININ 2, NEUROMEDIN L, NEUROKININ ALPHA, NEUROPEPTIDE K,NEUROPEPTIDE GAMMA)
AA446659
INTERLEUKIN 1, BETA
W47101
INTERLEUKIN 1, BETA
AA150507
RAS-RELATED C3 BOTULINUM TOXIN SUBSTRATE 1 (RHO FAMILY, SMALL GTP BINDING PROTEIN RAC1)
AA626787
PROTEIN TYROSINE PHOSPHATASE J
AA644448
ESTS, WEAKLY SIMILAR TO !!!! ALU SUBFAMILY SB1 WARNING ENTRY !!!! [H.SAPIENS]
N21103
FAT TUMOR SUPPRESSOR (DROSOPHILA) HOMOLOG
A159194
271952
N35301
179276
H50323
INOSITOL POLYPHOSPHATE-5-PHOSPHATASE, 145KD
AA521067

CHOLINERGIC RECEPTOR, NICOTINIC, EPSILON POLYPEPTIDE R02058
ALDO-KETO REDUCTASE FAMILY 1, MEMBER C1 (DIHYDRODIOL DEHYDROGENASE 1; 20-ALPHA (3-ALPHA)-HYDROXYSTEROID DEHYDROGENASE) R93124
TUMOR NECROSIS FACTOR RECEPTOR SUPERFAMILY, MEMBER 6 AA293571
CYSTATIN A (STEFIN A) W72207
347436 W81192
ANTILEUKOPROTEINASE AA026192
JAGGED1 (ALAGILLE SYNDROME) R70685
PRION PROTEIN (P27-30) (CREUTZFELD-JAKOB DISEASE, GERSTMANN-STRAUSLER-SCHEINKER SYNDROME, FATAL FAMILIAL INSOMNIA) AA455969
ESTS, WEAKLY SIMILAR TO KIAA0639 PROTEIN [H.SAPIENS] AA284277
843045 AA488420
ALDEHYDE DEHYDROGENASE 6 AA455235
CADHERIN 3, P-CADHERIN (PLACENTAL) AA425556
MDGI/FATTY ACID BINDING PROTEIN 3, MUSCLE AND HEART W04872
TROPONIN I, SKELETAL, FAST AA181334
MATRIX METALLOPROTEINASE 14 (MEMBRANE-INSERTED) N33214
LAMININ, GAMMA 2 (NICEIN (100KD), KALININ (105KD), BM600 (100KD), HERLITZ JUNCTIONAL EPIDERMOLYSIS BULLOSA)) AA677534
ANNEXIN VIII AA252968
ESTS, HIGHLY SIMILAR TO PROBABLE ATAXIA-TELANGIECTASIA GROUP D PROTEIN [H.SAPIENS] A A055486
KERATIN 17 AA026642
KERATIN 17 aa026642
ESTS, HIGHLY SIMILAR TO KERATIN K5, 58K TYPE II, EPIDERMAL [H.SAPIENS] AA160507
KERATIN 5 (EPIDERMOLYSIS BULLOSA SIMPLEX DOWLING-MEARA/KOBNER/WEBER-COCKAYNE TYPES) W72110
ESTS, HIGHLY SIMILAR TO KERATIN K5, 58K TYPE II, EPIDERMAL W72110
BULLOUS PEMPFIGOID ANTIGEN 1 (230/240KD) H44784
S100 CALCIUM-BINDING PROTEIN A2 AA458884
INTEGRIN, BETA 4 AA485668
INTEGRIN, BETA 4 AA076514

2255577 AI679149
LAMININ, ALPHA 3 (NICEIN (150KD), KALININ (165KD), BM600 (150KD), EPILEGRIN) AA001432
COLLAGEN, TYPE XVII, ALPHA 1 H87536
BASONUCLIN R26526
504940 AA150619
HUMAN DNA SEQUENCE FROM CLONE 973M2 ON CHROMOSOME 1Q24.3-31.1 CONTAINS PROSTAGLANDIN- ENDOPEROXIDE SYNTHASE 2 (PROSTAGLANDIN G/H SYNTHASE AND CYCLOOXYGENASE) GENE, ESTS, STS, GSSS AA644211
810904 AA459285
MYOSIN IC AA029956
EPHRIN-B1 AA428778
MATRIX METALLOPROTEINASE 7 (MATRILYSIN, UTERINE) AA031513
294682 W01603
INTEGRIN, ALPHA 3 (ANTIGEN CD49C, ALPHA 3 SUBUNIT OF VLA-3 RECEPTOR) AA293040
INTEGRIN, ALPHA 3 (ANTIGEN CD49C, ALPHA 3 SUBUNIT OF VLA-3 RECEPTOR) AA424695
SERUM AMYLOID A1 H25546
GM2 GANGLIOSIDE ACTIVATOR PROTEIN AA453978
ESTS, WEAKLY SIMILAR TO TRANSPOSON LRE2 REVERSE TRANSCRIPTASE HOMOLOG [H.SAPIENS] W48580
CARBONIC ANHYDRASE II H23187
LATENT TRANSFORMING GROWTH FACTOR BETA BINDING PROTEIN 2 AA424629
SECRETED FRIZZLED-RELATED PROTEIN 1 T68892
LECTIN, GALACTOSIDE-BINDING, SOLUBLE, 7 (GALECTIN 7) W72436
PLASMINOGEN ACTIVATOR, UROKINASE AA284668
ENDOTHELIN RECEPTOR TYPE A AA452627
ESTS, HIGHLY SIMILAR TO (DEFLINE NOT AVAILABLE 5231137) [H.SAPIENS] W30988
N-MYC DOWNSTREAM REGULATED AA489261
EPIDERMAL GROWTH FACTOR RECEPTOR (AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL (V-ERB-B) ONCOGENE HOMOLOG) AA234783
359285 AA016234
INTERLEUKIN 4 RECEPTOR AA292025
DIACYLGLYCEROL KINASE, ALPHA (80KD) AA456900

770670
AA476272
FOLATE RECEPTOR 1 (ADULT)
R24635
HUMAN MRNA FOR KIAA0300 GENE, PARTIAL CDS
AA405458
HUMAN GABA-A RECEPTOR EPSILON SUBUNIT (GABRE) RNA, ALTERNATIVE TRANSCRIPT
H63934
SMALL INDUCIBLE CYTOKINE SUBFAMILY D (CYS-X3-CYS), MEMBER 1 (FRACTALKINE, NEUROTACTIN)
R66139
HUMAN DNA SEQUENCE FROM PAC 196E23 ON CHROMOSOME XQ26.1-27.2. CONTAINS THE TAT-SF1 (HIV-1 TRANSCRIPTIONAL ELONGATION FACTOR TAT COFACTOR TAT-SF1) GENE, THE BRS3 (BOMBESIN RECEPTOR SUBTYPE-3 (UTERINE BOMBESIN RECEPTOR, BRS-3) GEN
AA700322
HUMAN DNA-BINDING PROTEIN ABP/ZF MRNA, COMPLETE CDS
W88571
PHOSPHATIDYLINOSITOL-4-PHOSPHATE 5-KINASE, TYPE I, BETA
R39069
51406
H18950
503051
AA149250
FATTY ACID BINDING PROTEIN 7, BRAIN
N46862
FATTY ACID BINDING PROTEIN 7, BRAIN
W72051
MACROPHAGE RECEPTOR WITH COLLAGENOUS STRUCTURE
AA485867
HOMO SAPIENS MRNA FOR CALPAIN-LIKE PROTEASE CANPX
AA457330
298662
N74313
FORKHEAD (DROSOPHILA)-LIKE 7
N22552
ESTS, WEAKLY SIMILAR TO !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.SAPIENS]
AA459296
MEGAKARYOCYTE POTENTIATING FACTOR
AA488406
PREFERENTIALLY EXPRESSED ANTIGEN OF MELANOMA
AA598817
EYES ABSENT (DROSOPHILA) HOMOLOG 2
AA402207
SYNAPTOGYRIN 1
AA007632
PHOSPHOLIPASE C, BETA 4
H22563
TRANSCRIPTION FACTOR AP-2 GAMMA (ACTIVATING ENHANCER-BINDING PROTEIN 2 GAMMA)
AA399334
KERATIN 4
AA629189
BONE MORPHOGENETIC PROTEIN 7 (OSTEOGENIC PROTEIN 1)
AA029597
BONE MORPHOGENETIC PROTEIN 7 (OSTEOGENIC PROTEIN 1)
W73473
KIAA0626 GENE PRODUCT
N62737
HUMAN MRNA FOR KIAA0338 GENE, PARTIAL CDS
R71689

CERULOPLASMIN (FERROXIDASE) H86554
ESTS, MODERATELY SIMILAR TO (DEFLINE NOT AVAILABLE 4159884) [H.SAPIENS] AA001222
DESMOCOLLIN 2 AA074677
321902 W37448
KERATIN 13 W60057
KERATIN 13 W23757
134011 R31262
49630 H29256
VITAMIN D (1,25- DIHYDROXYVITAMIN D3) RECEPTOR AA485226
SYNDECAN 1 AA074511
SEMA DOMAIN, IMMUNOGLOBULIN DOMAIN (IG), SHORT BASIC DOMAIN, SECRETED, (SEMAPHORIN) 3F AA454570
PROTEIN TYROSINE PHOSPHATASE, RECEPTOR TYPE, F AA598513
BUTYRATE RESPONSE FACTOR 1 (EGF-RESPONSE FACTOR 1) AA424743
ANTHRACYCLINE RESISTANCE-ASSOCIATED AA495766
MEMBRANE COMPONENT, CHROMOSOME 1, SURFACE MARKER 1 (40KD GLYCOPROTEIN, IDENTIFIED BY MONOCLONAL ANTIBODY GA733) AA454810
KERATIN 7 AA489569
813520 AA455591
HOMO SAPIENS MRNA; CDNA DKFZP586B2022 (FROM CLONE DKFZP586B2022) T52325
HOMO SAPIENS AGRIN PRECURSOR MRNA, PARTIAL CDS AA458878
ESTS, WEAKLY SIMILAR TO KIAA0319 [H.SAPIENS] AA136133
ANTIQUITIN 1 AA101299
HEXOKINASE 1 AA485272
HEXOKINASE 1 AA485271
LADININ 1 T97710
H.SAPIENS MRNA FOR RECEPTOR TYROSINE KINASE EPH (PARTIAL) N90246
144834 R77251
CREATINE KINASE, MITOCHONDRIAL 1 (UBIQUITOUS) AA019482
364302 AA022462
176461 H43515

RECEPTOR PROTEIN-TYROSINE KINASE EDDR1 H41900
HOMO SAPIENS MRNA FOR INOSITOL 1,4,5-TRISPHOSPHATE 3-KINASE ISOENZYME, PARTIAL CDS N46828
PLEXIN 5 AA496565
810873 AA459197
504225 AA131934
SNF2-RELATED CBP ACTIVATOR PROTEIN AA419088
ESTS, WEAKLY SIMILAR TO !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.SAPIENS] H97778
ESTS, WEAKLY SIMILAR TO KIAA0281 [H.SAPIENS] N54395
85804 T72068
JUNCTION PLAKOGLOBIN R06417
CDP-DIACYLGLYCEROL SYNTHASE (PHOSPHATIDATE CYTIDYLYLTRANSFERASE) 1 R31562
PROLINE-RICH GLA (G-CARBOXYLUTAMIC ACID) POLYPEPTIDE 2 AA430552
HUMAN DNA SEQUENCE FROM PAC 127B20 ON CHROMOSOME 22Q11.2-QTER, CONTAINS GENE FOR GTPASE-ACTIVATING PROTEIN SIMILAR TO RHOGAP PROTEIN. RIBOSOMAL PROTEIN L6 PSEUDOGENE, ESTS AND CA REPEAT AA037410
ESTS, WEAKLY SIMILAR TO LOW-DENSITY LIPOPROTEIN RECEPTOR-RELATED PROTEIN 1 PRECURSOR [H.SAPIENS] AA489246
416386 W86859
PLACENTAL BIKUNIN (KUNITZ-TYPE SERINE PROTEASE INHIBITOR) AA031287
SERINE PROTEASE INHIBITOR, KUNITZ TYPE, 2 AA459039
HUMAN PLACENTAL BIKUNIN MRNA COMPLETE CDS AA031287
810728 AA457707
HOMO SAPIENS MRNA; CDNA DKFZP586F1318 (FROM CLONE DKFZP586F1318) T77847
147447 R81173
365517 AA009593
417081 W87826
ESTS, WEAKLY SIMILAR TO (DEFLINE NOT AVAILABLE 4929751) [H.SAPIENS] AA004846
HOMO SAPIENS MRNA; CDNA DKFZP586J2118 (FROM CLONE DKFZP586J2118) R98407
297604 N69835
297604 N69835
DNA SEGMENT, SINGLE COPY PROBE LNS-CAI/LNS-CAII (DELETED IN POLYPOSIS) H99681



ESTROGEN RECEPTOR 1 AA164586
275798 R93185
TUMOR PROTEIN D52 AA459318
HUMAN D9 SPLICE VARIANT B MRNA, COMPLETE CDS AA453832
MAJOR GASTROINTESTINAL TUMOR-ASSOCIATED PROTEIN GA733-2 PRECURSOR AA055808
KIAA0351 GENE PRODUCT AA402863
RAB2, MEMBER RAS ONCOGENE FAMILY-LIKE AA401972
NEBULETTE N77806
ESTS, WEAKLY SIMILAR TO UNKNOWN [H.SAPIENS] R01499
486828 AA042878
486828 AA042878
XMP T84249
EPITHELIAL MEMBRANE PROTEIN 2 T88721
KERATIN 8 AA598517
44292 H06273
KERATIN 18 AA070385
KERATIN 18 AA664179
CLAUDIN 4 AA430665
HCPE-R MRNA FOR CPE-RECEPTOR AA506754
HCPE-R MRNA FOR CPE-RECEPTOR W74492
HOMO SAPIENS EPITHELIAL-SPECIFIC TRANSCRIPTION FACTOR ESE-1A (ESE-1) MRNA, COMPLETE CDS AA433851
EPITHELIAL-SPECIFIC TRANSCRIPTION FACTOR ESE-1B (ESE-1) MRNA COMPLETE CDS H27938
SERINE PROTEASE INHIBITOR, KUNITZ TYPE 1 AA464250
TRANSFORMING GROWTH FACTOR, BETA 3 AA040617
TRANSFORMING GROWTH FACTOR BETA 3 AA040616
TRANSFORMING GROWTH FACTOR BETA 3 AA040616
LYSOSOMAL-ASSOCIATED MEMBRANE PROTEIN 1 H29077
ISLET CELL AUTOANTIGEN 1 (69KD) AA491302
ESTS, MODERATELY SIMILAR TO K02E10.2 [C.ELEGANS] T62552

82869
T69270
SELENIUM BINDING PROTEIN 1
T65736
HOMO SAPIENS MRNA FOR HYPOTHETICAL PROTEIN
AA487488
PROLACTIN RECEPTOR
R63647
321658
W32933
321658
W32933
202658
H53479
202658
H53479
ESTS, MODERATELY SIMILAR TO !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.SAPIENS]
AA464739
197520
H52110
KIAA0182
AA037466
HUMAN MRNA FOR KIAA0182 GENE, PARTIAL CDS
H05563
SOLUTE CARRIER FAMILY 9 (SODIUM/HYDROGEN EXCHANGER), ISOFORM 3 REGULATORY FACTOR 1
AA425299
179211
H50224
179211
H50224
FRUCTOSE-BISPHOSPHATASE 1
AA699427
HUMAN ENDOGENOUS RETROVIRUS ENVELOPE REGION MRNA (PL1)
AA701655
X-BOX BINDING PROTEIN 1
W90128
HEPATOCTE NUCLEAR FACTOR 3, ALPHA
T74639
GATA-BINDING PROTEIN 3
H72474
GATA-BINDING PROTEIN 3
R31442
GATA-BINDING PROTEIN 3
R31441
GATA-BINDING PROTEIN 3
AA058828
ESTROGEN RECEPTOR 1
AA291702
ESTROGEN RECEPTOR 1
AA291749
ANNEXIN XXXI
N76688
ANNEXIN XXXI
N76688
HOMO SAPIENS MRNA; CDNA DKFZP434A091 (FROM CLONE DKFZP434A091)
AA431988
CANALICULAR MULTISPECIFIC ORGANIC ANION TRANSPORTER C
N80617

HOMO SAPIENS MRNA FOR NEUROBLASTOMA, COMPLETE CDS AA481950
CELLULAR RETINOIC ACID-BINDING PROTEIN 2 AA036987
CELLULAR RETINOIC ACID-BINDING PROTEIN 2 AA598508
CELLULAR RETINOIC ACID-BINDING PROTEIN 2 AA036986
HUMAN SECRETORY PROTEIN (P1.B) MRNA, COMPLETE CDS N74131
MSH (DROSOPHILA) HOMEO BOX HOMOLOG 2 AA195636
HUMAN CHROMOSOME 16 BAC CLONE CIT987SK-254P9 H23265
204483 H58234
HUMAN INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 5 (IGFBP5) MRNA T52830
INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 5 (IGFBP5) AA054451
HUMAN INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN 5 (IGFBP5) MRNA H08560
HUMAN MRNA FOR KIAA0061 GENE, PARTIAL CDS N33237
HUMAN MRNA FOR KIAA0143 GENE, PARTIAL CDS AA112057
CYSTEINE-RICH PROTEIN 2 AA485427
PDGF BETA T49539
67654 T49539
RAS HOMOLOG GENE FAMILY, MEMBER B H89046
RAS HOMOLOG GENE FAMILY, MEMBER B AA495846
140018 R63971
140018 R63971
81475 T63511
CYTOCHROME P450, SUBFAMILY IIJ (ARACHIDONIC ACID EPOXYGENASE) POLYPEPTIDE 2 H09076
P53-INDUCED PROTEIN H12189
HOMO SAPIENS BREAST CANCER PUTATIVE TRANSCRIPTION FACTOR (ZABC1) MRNA, COMPLETE CDS AA460802
HOMO SAPIENS BREAST CANCER PUTATIVE TRANSCRIPTION FACTOR (ZABC1) MRNA, COMPLETE CDS AA782528
SULFOTRANSFERASE FAMILY 2B, MEMBER 1 R73584
HEREDITARY HEMOCHROMOTOSIS R07647
MUCIN 1, TRANSMEMBRANE AA488073
156053 R72491

447786 AA702350
415317 W92160
IGG FC BINDING PROTEIN R52030
EPIDIDYMIS-SPECIFIC, WHEY-ACIDIC PROTEIN TYPE, FOUR-DISULFIDE CORE AA451904
SRC KINASE-ASSOCIATED PHOSPHOPROTEIN OF 55 KDA R01281
CARBONIC ANHYDRASE XI N52089
PHOSPHOFRUCTOKINASE, MUSCLE AA099169
HUMAN HEART MRNA FOR HEAT SHOCK PROTEIN 90, PARTIAL CDS AA064973
130843 R22306
470105 AA029949
H2B HISTONE FAMILY, MEMBER Q AA010223
H2B HISTONE FAMILY, MEMBER Q AA456695
H2A HISTONE FAMILY, MEMBER L N50797
H1 HISTONE FAMILY, MEMBER 2 T66816
322461 W15305
289734 N62965
DUAL SPECIFICITY PHOSPHATASE 4 AA444049
CALCIUM CHANNEL, VOLTAGE-DEPENDENT, ALPHA 2/DELTA SUBUNIT 2 N53512
ACYL-COENZYME A DEHYDROGENASE, SHORT/BRANCHED CHAIN H96140
CYTOCHROME P450, SUBFAMILY IIB (PHENOBARBITAL-INDUCIBLE), POLYPEPTIDE 6 H41908
PROTEASE INHIBITOR 12 (NEUROSERPIN) AA115876
HUMAN DNA SEQUENCE FROM CLONE 167A19 ON CHROMOSOME 1P32.1-33. CONTAINS THREE GENES FOR NOVEL PROTEINS, THE DIO1 GENE FOR TYPE I IODOTHYRONINE DEIODINASE (EC 3.8.1.4, TXDI1, ITDI1) AND AN HNRNP A3 (HETEROGENOUS NUCLEAR RIBONUCLEOPR N74025
AUTOCRINE MOTILITY FACTOR RECEPTOR AA479243
CYTOCHROME P450, SUBFAMILY IIA (PHENOBARBITAL-INDUCIBLE), POLYPEPTIDE 7 T73031
ANGIOTENSIN RECEPTOR 1 H66116
ESTS, WEAKLY SIMILAR TO TUMOROUS IMAGINAL DISCS PROTEIN TID56 HOMOLOG [H.SAPIENS] T95268
QUINOID DIHYDROPTERIDINE REDUCTASE R38198
LYMPHOID NUCLEAR PROTEIN RELATED TO AF4 H99588

NUCLEOPORIN 88KD AA479888
307220 N95180
HOMO SAPIENS MRNA; CDNA DKFZP564P0662 (FROM CLONE DKFZP564P0662) R27680
HEPSIN (TRANSMEMBRANE PROTEASE, SERINE 1) H62162
ESTS, HIGHLY SIMILAR TO TRANSCRIPTION ELONGATION FACTOR TFIIS.H [H.SAPIENS] R09980
795744 AA460298
N-ACETYLTRANSFERASE 1 (ARYLAMINE N-ACETYLTRANSFERASE) R91803
N-ACETYLTRANSFERASE 1 (ARYLAMINE N-ACETYLTRANSFERASE) T67128
503581 AA131239
HUMAN BREAST CANCER, ESTROGEN REGULATED LIV-1 PROTEIN (LIV-1) MRNA, PARTIAL CDS H29407
N-ACYLSPHINGOSINE AMIDOHYDROLASE (ACID CERAMIDASE) AA664155
EPOXIDE HYDROLASE 2, CYTOPLASMIC R73525
B-CELL CLL/LYMPHOMA 2 W63749
ESTS, HIGHLY SIMILAR TO (DEFLINE NOT AVAILABLE 4929557) [H.SAPIENS] T74688
BASIC HELIX-LOOP-HELIX DOMAIN CONTAINING, CLASS B, 2 T62084
FORKHEAD (DROSOPHILA) HOMOLOG 1 (RHABDOMYOSARCOMA) AA448277
ACTIVATED P21CDC42HS KINASE AA427891
HUMAN MRNA FOR KIAA0303 GENE, PARTIAL CDS AA418846
487929 AA045481
ZINC FINGER PROTEIN HOMOLOGOUS TO ZFP103 IN MOUSE AA429297
CELL DIVISION CYCLE 4-LIKE AA041499
ESTS, WEAKLY SIMILAR TO P1.11659_5 N47593
ESTS, WEAKLY SIMILAR TO (DEFLINE NOT AVAILABLE 4502327) [H.SAPIENS] T72850
ESTS, MODERATELY SIMILAR TO !!!! ALU SUBFAMILY SQ WARNING ENTRY !!!! [H.SAPIENS] R70598
220376 H86813
HOMO SAPIENS MRNA; CDNA DKFZP434H071 (FROM CLONE DKFZP434H071) T41078
ESTS, WEAKLY SIMILAR TO !!!! ALU SUBFAMILY J WARNING ENTRY !!!! [H.SAPIENS] AA669222
T3 RECEPTOR-ASSOCIATING COFACTOR-1 [HUMAN, FETAL LIVER, MRNA, 2930 NT] AA400234

416556 W86987
418240 W90241
KIAA0130 GENE PRODUCT N76581
ERBB-2 RECEPTOR PROTEIN-TYROSINE KINASE PRECURSOR AA025141
STEROIDOGENIC ACUTE REGULATORY PROTEIN RELATED AA504710
ERBB2-POLYA X03363
V-ERB-B2 AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL ONCOGENE HOMOLOG 2 (NEURO/GLIOBLASTOMA DERIVED ONCOGENE HOMOLOG) AA025141
V-ERB-B2 AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL ONCOGENE HOMOLOG 2 (NEURO/GLIOBLASTOMA DERIVED ONCOGENE HOMOLOG) AA443351
ERBB2 AA481939
GROWTH FACTOR RECEPTOR-BOUND PROTEIN 7 H53703
68400 T57034
68400 T57034
SWI/SNF RELATED, MATRIX ASSOCIATED, ACTIN DEPENDENT REGULATOR OF CHROMATIN, SUBFAMILY E, MEMBER 1 W63613
ESTS, WEAKLY SIMILAR TO ENVELOPE PROTEIN [H.SAPIENS] W37778
271076 N29918

Table 8: Luminal gene subset

B-CELL CLL/LYMPHOMA 2 W63749
ESTS, WEAKLY SIMILAR TO MEMBRANE GLYCOPROTEIN [M.MUSCULUS] AA159578
51700 H22854
NEBULETTE N77806
HUMAN DNA SEQUENCE FROM CLONE 167A19 ON CHROMOSOME 1P32.1-33. CONTAINS THREE GENES FOR NOVEL PROTEINS, THE DIO1 GENE FOR TYPE I IODOTHYRONINE DEIODINASE (EC 3.8.1.4, TXDI1, ITDI1) AND AN HNRNP A3 (HETEROGENOUS NUCLEAR RIBONUCLEOPROTEIN N74025
PROLACTIN RECEPTOR R63647
202658 H53479
202658 H53479
609283 AA167189
MYOSIN VI AA625890
470216 AA028987
N-ACETYLTRANSFERASE 1 (ARYLAMINE N-ACETYLTRANSFERASE) R91803
HOMO SAPIENS MRNA; CDNA DKFZP434A091 (FROM CLONE DKFZP434A091) AA431988
358936 W92233
SEVEN IN ABSENTIA (DROSOPHILA) HOMOLOG 2 AA029041
HEPSIN (TRANSMEMBRANE PROTEASE, SERINE 1) H62162
417081 W87826
470105 AA029949
HUMAN SECRETORY PROTEIN (P1.B) MRNA, COMPLETE CDS N74131
HEPATOCYTE NUCLEAR FACTOR 3, ALPHA T74639
X-BOX BINDING PROTEIN 1 W90128
ESTROGEN RECEPTOR 1 AA291702
ESTROGEN RECEPTOR 1 AA291749
GATA-BINDING PROTEIN 3 H72474
GATA-BINDING PROTEIN 3 R31441
GATA-BINDING PROTEIN 3 R31442

ANNEXIN XXXI N76688
HUMAN BREAST CANCER, ESTROGEN REGULATED LIV-1 PROTEIN (LIV-1) MRNA, PARTIAL CDS H29407
346321 W74079
HUMAN CHROMOSOME 16 BAC CLONE CIT987SK-254P9 H23265
71863 T52564
271989 N31935
ESTS, HIGHLY SIMILAR TO INOSITOL POLYPHOSPHATE 4-PHOSPHATASE TYPE II-ALPHA [H.SAPIENS] R86721
179211 H50224
179211 H50224
MURINE LEUKEMIA VIRAL (BMI-1) ONCOGENE HOMOLOG T87515
MURINE LEUKEMIA VIRAL (BMI-1) ONCOGENE HOMOLOG AA478036
LUTHERAN BLOOD GROUP (AUBERGER B ANTIGEN INCLUDED) H24954
HOMO SAPIENS (PWD) GENE MRNA, 3' END N26536
782547 AA431796
ACYL-COENZYME A DEHYDROGENASE, SHORT/BRANCHED CHAIN H96140
CARNITINE PALMITOYLTRANSFERASE II N70848
ALDO-KETO REDUCTASE FAMILY 7, MEMBER A2 (AFLATOXIN ALDEHYDE REDUCTASE) T62865
CYTOCHROME P450, SUBFAMILY IIA (PHENOBARBITAL-INDUCIBLE), POLYPEPTIDE 7 T73031
ANGIOTENSIN RECEPTOR 1 H66116
LYMPHOID NUCLEAR PROTEIN RELATED TO AF4 H99588
HUMAN MRNA FOR KIAA0303 GENE, PARTIAL CDS AA418846
EPOXIDE HYDROLASE 2, CYTOPLASMIC R73525
DUAL SPECIFICITY PHOSPHATASE 4 AA444049



Table 9: Basal gene subset 1

DUAL SPECIFICITY PHOSPHATASE 6 AA630374
LAMININ, GAMMA 2 (NICEIN (100KD), KALININ (105KD), BM600 (100KD), HERLITZ JUNCTIONAL EPIDERMOLYSIS BULLOSA)) AA677534
MATRIX METALLOPROTEINASE 14 (MEMBRANE-INSERTED) N33214
COLLAGEN, TYPE XVII, ALPHA 1 H87536
CALPONIN 1, BASIC, SMOOTH MUSCLE AA399519
PLEIOTROPHIN (HEPARIN BINDING GROWTH FACTOR 8, NEURITE GROWTH-PROMOTING FACTOR 1) AA001449
PLEIOTROPHIN (HEPARIN BINDING GROWTH FACTOR 8, NEURITE GROWTH-PROMOTING FACTOR 1) AA001449
1912786 AI304356
GELSOLIN (AMYLOIDOSIS, FINNISH TYPE) H72027
BULLOUS PEMPHIGOID ANTIGEN 1 (230/240KD) H44784
SMALL INDUCIBLE CYTOKINE SUBFAMILY D (CYS-X3-CYS), MEMBER 1 (FRACTALKINE, NEUROTACTIN) R66139
KERATIN 17 aa026642
KERATIN 17 AA026642
KERATIN 5 (EPIDERMOLYSIS BULLOSA SIMPLEX DOWLING-MEARA/KOBNER/WEBER-COCKAYNE TYPES) W72110
ESTS, HIGHLY SIMILAR TO KERATIN K5, 58K TYPE II, EPIDERMAL W72110
ESTS, HIGHLY SIMILAR TO PROBABLE ATAXIA-TELANGIECTASIA GROUP D PROTEIN [H.SAPIENS] AA055486
CRYSTALLIN, ALPHA B AA504943
CAVEOLIN 2 T89391
ANNEXIN I (LIPOCORTIN I) H63077
DYSTROPHIN (MUSCULAR DYSTROPHY, DUCHENNE AND BECKER TYPES), INCLUDES DXS142, DXS164, DXS206, DXS230, DXS239, DXS268, DXS269, DXS270, DXS272 AA461118
DIHYDROPYRIMIDINASE-LIKE 2 AA487674

Table 9: Basal gene subset 1

Table 9: Basal gene subset 2

EPIDERMAL GROWTH FACTOR RECEPTOR (AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL (V-ERB-B) ONCOGENE HOMOLOG) AA234783
GRO1 ONCOGENE (MELANOMA GROWTH STIMULATING ACTIVITY, ALPHA) W42723
PHOSPHOINOSITIDE-3-KINASE, REGULATORY SUBUNIT, POLYPEPTIDE 1 (P85 ALPHA) R54050
HUMAN DNA-BINDING PROTEIN ABP/ZF MRNA, COMPLETE CDS W88571
ANTILEUKOPROTEINASE AA026192
FATTY ACID BINDING PROTEIN 7, BRAIN W72051
CHITINASE 3-LIKE 2 AA668821
TRANSMEMBRANE 4 SUPERFAMILY MEMBER 1 AA088439
TRANSMEMBRANE 4 SUPERFAMILY MEMBER 1 N47476
HOMO SAPIENS MRNA FOR CALPAIN-LIKE PROTEASE CANPX AA457330
KERATIN 7 AA489569
LADININ 1 T97710
CADHERIN 3, P-CADHERIN (PLACENTAL) AA425556
PROTEIN TYROSINE PHOSPHATASE, RECEPTOR TYPE, K R79082
SRX (SEX-DETERMINING REGION Y)-BOX 9 (CAMPOMELIC DYSPLASIA, AUTOSOMAL SEX-REVERSAL) AA400739
KERATIN 13 W23757
KERATIN 13 W60057
2255577 AI679149
INTEGRIN, BETA 4 AA076514
TROPONIN I, SKELETAL, FAST AA181334

Table 9: Basal gene subset 2

Table 10: ErbB2 gene subset

ERBB-2 RECEPTOR PROTEIN-TYROSINE KINASE PRECURSOR AA025141
ERBB2 AA481939
ERBB2-POLYA X03363
V-ERB-B2 AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL ONCOGENE HOMOLOG 2 (NEURO/GLIOBLASTOMA DERIVED ONCOGENE HOMOLOG) AA443351
V-ERB-B2 AVIAN ERYTHROBLASTIC LEUKEMIA VIRAL ONCOGENE HOMOLOG 2 (NEURO/GLIOBLASTOMA DERIVED ONCOGENE HOMOLOG) AA025141
GROWTH FACTOR RECEPTOR-BOUND PROTEIN 7 H53703
STEROIDOGENIC ACUTE REGULATORY PROTEIN RELATED AA504710
68400 T57034
68400 T57034
SWI/SNF RELATED, MATRIX ASSOCIATED, ACTIN DEPENDENT REGULATOR OF CHROMATIN, SUBFAMILY E, MEMBER 1 W63613
TNF RECEPTOR-ASSOCIATED FACTOR 4 AA598826
347348 W81186
FLOTILLIN 2 R73545
TGFB1-INDUCED ANTI-APOPTOTIC FACTOR 1 AA446222

Table 10: ErbB2 gene subset

Table 11: Endothelial Gene Subset

TISSUE FACTOR PATHWAY INHIBITOR (LIPOPROTEIN-ASSOCIATED COAGULATION INHIBITOR) T47454
ALDEHYDE DEHYDROGENASE 1, SOLUBLE AA664101
HOMO SAPIENS MRNA FOR KIAA0758 PROTEIN, PARTIAL CDS N95226
VON WILLEBRAND FACTOR AA487787
PLATELET/ENDOTHELIAL CELL ADHESION MOLECULE (CD31 ANTIGEN) R22412
MANIC FRINGE (DROSOPHILA) HOMOLOG H22922
INTERCELLULAR ADHESION MOLECULE 2 R21535
245147 N76361
REGULATOR OF G-PROTEIN SIGNALLING 5 AA668470
TEK TYROSINE KINASE, ENDOTHELIAL (VENOUS MALFORMATIONS, MULTIPLE CUTANEOUS AND MUCOSAL) H02848
LIM BINDING DOMAIN 2 H74106
KINASE SCAFFOLD PROTEIN GRAVIN AA478542
359722 AA011182
TYROSINE KINASE WITH IMMUNOGLOBULIN AND EPIDERMAL GROWTH FACTOR HOMOLOGY DOMAINS AA432062
CD34 ANTIGEN AA434483
HUMAN DNA SEQUENCE FROM CLONE 1033B10 ON CHROMOSOME 6P21.2-21.31. CONTAINS THE BING5 GENE, EXONS 11 TO 15 OF THE BING4 GENE, THE GENE FOR GALT3 (BETA3- GALACTOSYLTRANSFERASE), THE RPS18 (40S RIBOSOMAL PROTEIN S18) GENE, THE SACM2 N78611
69672 T53626
HOMO SAPIENS KDR/FLK-1 PROTEIN MRNA, COMPLETE CDS AA026831

T039220 CHST6B

Table 12: Stromal/Fibroblast Gene Subset

MUSCULIN (ACTIVATED B-CELL FACTOR-1) AA470081
COLLAGEN, TYPE V, ALPHA 1 R75635
471748 AA035018
SMOOTH MUSCLE ACTIN, ALPHA2 AA040169
TRANSGELIN/SM22 AA010664
SMOOTH MUSCLE PROTEIN 22-ALPHA AA010664
LUMICAN AA035657
FIBULIN 1 AA614680
COLLAGEN, TYPE VI, ALPHA 3 R62603
HOMO SAPIENS OSF-2 MRNA FOR OSTEOBLAST SPECIFIC FACTOR 2 (OSF-2P1), COMPLETE CDS AA598653
COLLAGEN, TYPE III, ALPHA 1 (EHLERS-DANLOS SYNDROME TYPE IV, AUTOSOMAL DOMINANT) T98612
COLLAGEN, TYPE I, ALPHA 1 W90360
COLLAGEN, TYPE I, ALPHA 2 AA490172
COLLAGEN, TYPE III, ALPHA 1 (EHLERS-DANLOS SYNDROME TYPE IV, AUTOSOMAL DOMINANT) AA044829
COLLAGEN, TYPE III, ALPHA 1 (EHLERS-DANLOS SYNDROME TYPE IV, AUTOSOMAL DOMINANT) T98612
COLLAGEN, TYPE I, ALPHA 2 W93067
THY-1 CELL SURFACE ANTIGEN AA496283
HOMO SAPIENS, ALPHA-1 (VI) COLLAGEN AA046525
COLLAGEN, TYPE VI, ALPHA 1 AA047209
COLLAGEN, TYPE VI, ALPHA 1 AA047209
HUMAN ALPHA-2 COLLAGEN TYPE VI MRNA, 3' END AA633747
HUMAN METHIONINE SYNTHASE MRNA, COMPLETE CDS AA233650
265694 N25353

Table 13: B-cell gene subset

IMMUNOGLOBULIN GAMMA 3 (GM MARKER) AA663981
COLONY STIMULATING FACTOR 1 (MACROPHAGE) N92646
NEUTROPHIL CYTOSOLIC FACTOR 1 (47KD, CHRONIC GRANULOMATOUS DISEASE, AUTOSOMAL 1) AA489666
IMMUNOGLOBULIN LAMBDA-LIKE POLYPEPTIDE 2 W73790
IMMUNOGLOBULIN LAMBDA LIGHT CHAIN R50297
HUMAN REARRANGED IMMUNOGLOBULIN LAMBDA LIGHT CHAIN MRNA N64851
HUMAN REARRANGED IMMUNOGLOBULIN LAMBDA LIGHT CHAIN MRNA T67053
HUMAN IG J CHAIN GENE H24896
IMMUNOGLOBULIN J CHAIN H24896
HUMAN IG J CHAIN GENE T70057
MAJOR HISTOCOMPATIBILITY COMPLEX, CLASS II, DQ BETA 1 R73128
IMMUNOGLOBULIN MU H73590
EARLY DEVELOPMENT REGULATOR 2 (HOMOLOG OF POLYHOMEOTIC 2) AA598840
MAX-INTERACTING PROTEIN 1 AI087032

Table 14: Adipose-enriched/Normal breast gene subset

MESENCHYME HOMEO BOX 1 AA426311
INSULIN-LIKE GROWTH FACTOR 1 (SOMATOMEDIN C) AA456321
CYCLIN-DEPENDENT KINASE INHIBITOR 1C (P57, KIP2) R81336
78946 T61792
FATTY ACID BINDING PROTEIN 4, ADIPOCYTE AA046090
FATTY ACID BINDING PROTEIN 4, ADIPOCYTE AI652163
FATTY ACID BINDING PROTEIN 4, ADIPOCYTE N92901
MDGI/FATTY ACID BINDING PROTEIN 3, MUSCLE AND HEART AA128926
CD36 ANTIGEN (COLLAGEN TYPE I RECEPTOR, THROMBOSPONDIN RECEPTOR) R09416
CD36 ANTIGEN (COLLAGEN TYPE I RECEPTOR, THROMBOSPONDIN RECEPTOR) N39161
GLUTATHIONE PEROXIDASE 3 (PLASMA) AA664180
FOUR AND A HALF LIM DOMAINS 1 AA456394
ALCOHOL DEHYDROGENASE 2 (CLASS I), BETA POLYPEPTIDE N93428
AQUAPORIN 7 H27752
484535 AA036974
LIPOPROTEIN LIPASE AA633835
GLYCEROL-3-PHOSPHATE DEHYDROGENASE 1 (SOLUBLE) AA192547
RETINOL-BINDING PROTEIN 4, INTERSTITIAL T72220
INTEGRIN, ALPHA 7 AA055979
85660 T62068
PHOSPHOLEMMAN H57136
AQUAPORIN 1 (CHANNEL-FORMING INTEGRAL PROTEIN, 28KD) H24316
APOLIPOPROTEIN A-I R97710
SMALL INDUCIBLE CYTOKINE SUBFAMILY A (CYS-CYS), MEMBER 14 R96668
PEROXISOME PROLIFERATIVE ACTIVATED RECEPTOR, GAMMA AA088517
ENDOTHELIN RECEPTOR TYPE B H28710

Table 15: Macrophage gene subset

ESTS, MODERATELY SIMILAR TO !!!! ALU SUBFAMILY SX WARNING ENTRY !!!! [H.SAPIENS] T94293
CHITINASE 1 T94272
53341 R15934
SMALL INDUCIBLE CYTOKINE SUBFAMILY A (CYS-CYS), MEMBER 18, PULMONARY AND ACTIVATION-REGULATED AA495985
FOLYLPOLYGLUTAMATE SYNTHASE R44864
LYSOZYME (RENAL AMYLOIDOSIS) N63943
LYSOZYME (RENAL AMYLOIDOSIS) N63943
TRANSCRIPTION FACTOR AP-2 ALPHA (ACTIVATING ENHANCER-BINDING PROTEIN 2 ALPHA) N63770
LIPASE A, LYSOSOMAL ACID, CHOLESTEROL ESTERASE (WOLMAN DISEASE) AA630104
CD68 ANTIGEN AA421296
ACID PHOSPHATASE 5, TARTRATE RESISTANT R08816
FC FRAGMENT OF IGE, HIGH AFFINITY I, RECEPTOR FOR; GAMMA POLYPEPTIDE R79170
CATHEPSIN Z AA488341

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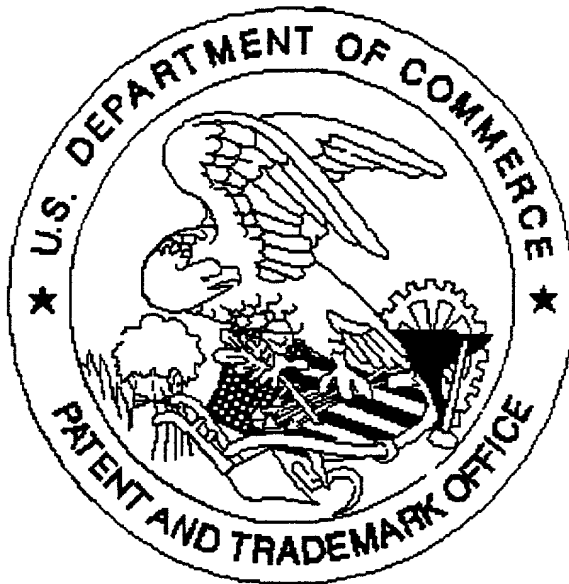


Table 16: T-cell gene subset

INTERLEUKIN 10 RECEPTOR, ALPHA AA437226
INTEGRIN, ALPHA L, CD11A R48796
742143 AA406027
T-CELL RECEPTOR, BETA CLUSTER N91921
80186 T64192
T-CELL RECEPTOR, DELTA (V,D,J,C) AA670107
ESTS, WEAKLY SIMILAR TO S-ACYL FATTY ACID SUNTHETASE THIO ESTER HYDROLASE, MEDIUM CHAIN [R.NORVEGICUS] AA470066
LYMPHOCYTE-SPECIFIC PROTEIN TYROSINE KINASE AA420981
CD3D ANTIGEN, DELTA POLYPEPTIDE (TIT3 COMPLEX) AA055946
CD3G ANTIGEN, GAMMA POLYPEPTIDE (TIT3 COMPLEX) T66800
TRANSCRIPTION FACTOR DP-2 (E2F DIMERIZATION PARTNER 2) AA465444

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